Changing how math is taught and learned using
MyMathLab

By

Hamza Duhaini

About Me

Name: Hamza Duhaini (Lebanon).

Math and Physics Department Supervisor at ABP affiliated with Qatar foundation

Education

- Master of Science degree in Mathematics
- Teaching diploma in Mathematics

(American University of Beirut)

Experience

- Twenty Three years of teaching Mathematics

- Various curriculum:

American high school

International baccalaureate (IB),

IGCSE and A level

Lebanese baccalaureate

About ABP

- The Academic Bridge Program (ABP), a center of Qatar Foundation for Education, Science and Community Development

- ABP was established in 2001

About ABP

- A pre-university program established for high school graduates from Qatar and other countries in the region

- More than 2,500 students have graduated from our program.

About ABP

- The ABP is a rigorous two-semester general studies program which focuses on English, math, science and computer skills

About ABP

- ABP also partners with the universities at Qatar Foundation to offer cross-registration, an exceptional opportunity for students to prove that they are ready for university studies.

The Challenges students face in
Learning Mathematics

The challenges

• Lack of motivation and interaction

The challenges

- Memorizing instead of understanding mathematical principles

The challenges

- Difficulty with vocabulary and terminology of mathematics, understanding directions and explanations, or translating word problems

The challenges

- Trouble learning or recalling concepts, definitions and meanings of abstract terms;

The challenges

- Difficulty reading texts to direct their own learning and communicating mathematics, including asking and answering questions;

The challenges

- Emotional block to mathematics originally due to Math anxiety.

Solution

Welcome
to
MyMathLab

What is MyMathLab ?

MyMathLab

is an online tutorial, homework, and assessment system for mathematics courses.

MyMathLab

has helped over 9 million students succeed in their math and stats classes since 2001

MyMathLab is

Personalized.

MyMathLab is

Interactive.

MyMathLab is

Effective.

What can students do with MyMathLab ?

With MyMathLab students can

- Practice and learn mathematics when and where they want, and at their own pace.

With MyMathLab students can

- Work through unlimited tutorial exercises correlated to the exercises in their textbook and get immediate feedback on their answers.

With MyMathLab students can

- Receive a personalized study plan to diagnose areas where they need to practice.

With MyMathLab students can

- Access a multimedia textbook with links to learning aids, such as animations and videos.

With MyMathLab students can

- Use online tools, such as a discussion board or virtual classroom, to communicate with the teachers and other students.

With MyMathLab students can

- Feel as if they have their own personal tutor, always available, and dedicated to their success.

What can Instructors do with
MyMathLab ?

With MyMathLab Instructors can

- Deliver all or a portion of their course online, whether the course is based in a lab or in a traditional classroom.

With MyMathLab Instructors can

- Create and assign online homework, quizzes and tests that are automatically graded and tightly correlated to their textbook.

With MyMathLab Instructors can

- Manage and track students' results in a powerful online gradebook designed specifically for Mathematics and Statistics.

With MyMathLab Instructors can

- Customize their courses depending on their syllabus and their students' needs.

With MyMathLab Instructors can

- Use a variety of communication tools to create a supportive online community for their students

Navigation Through MyMathLab

Course Details

Create/Copy Course

### MT 132: Preacalculus 2

Course ID:	duhaini33206
Instructor(s):	Hamza Duhaini
Course Type:	For Student Enrollment
Course Creation Date:	Dec 08, 2013
Enrollment Start Date:	Dec 08, 2013
Enrollment End Date:	Jan 30, 2014
Students Enrolled:	0 (How Students Enroll)
Course Start Date:	Dec 08, 2013
Course End Date:	Jun 30, 2014
Course Expiration Date:	Dec 08, 2015
Available For Copy:	Yes
Textbook ISBN-10:	0321795466
Textbook ISBN-13:	9780321795465
Created From:	Precalculus Enhanced with Graphing Utilities 6/e by Michael Sullivan and Michael Sullivan III

Edit Course

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Student Registration Handout

Download

MyMathLab®

MT 132: Preacalculus 2 - Period 2

Course Home

	Sun 23	Mon 24	Tue 25	Wed 26	Thu 27	Fri 28	Sat 29

- Course Home
- Homework
- Quizzes & Tests
- Study Plan
- Gradebook
- ▶ Chapter Contents
- Tools for Success
- Multimedia Library
- Pearson Tutor Services
- Discussions
- ▶ Course Tools
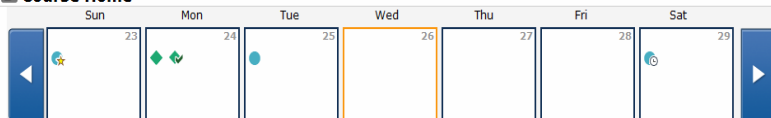
My Upcoming Assignments   View All Assignments

Mar 29 Section 10.2 Homework

Next Due
03 13
DAYS HOURS

Announcements   View All Announcements

Chapter 12 Test   Thursday, March 20

Dear students,

You will have a test on chapter 12 next week during your Lab session. This is the last test for the fifth marking period.
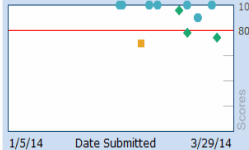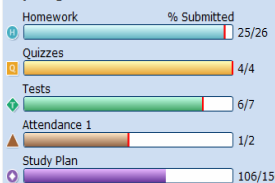
Study well... more ›

My Results

Overall Score
85.2%

Course Timeline
100%
80%
1/5/14   Date Submitted   3/29/14

My Progress

Homework   % Submitted
25/26

Quizzes
4/4

Tests
6/7

Attendance 1
1/2

Study Plan
106/156

Course Home	11:59pm		
Homework	02/08/14 11:59pm	H Section 7.3 Homework	--
Quizzes & Tests	02/08/14 11:59pm	H Section 7.4 Homework	--
Study Plan	02/15/14 11:59pm	H Section 7.5 Homework	--
Gradebook	02/22/14 11:59pm	H Section 7.6 Homework	100%
▶ Chapter Contents	02/22/14 11:59pm	H Section 7.7 Homework	100%
Tools for Success	02/15/14 11:59pm	H Chapter 7 Review Homework	--
Multimedia Library	02/22/14 11:59pm	H Chapter 7.6 -7.7 Review homework	100%
Pearson Tutor Services	03/08/14 11:59pm	H Section 8.1 Homework	100%
Discussions	03/08/14 11:59pm	H Section 8.2 Homework	100%
▶ Course Tools	03/23/14 11:59pm	H Section 8.4 Homework	100%
	03/10/14 11:59pm	H Chapter 8 Review Homework	100%
	03/15/14 11:59pm	H Section 12.1 Homework	100%
	03/23/14 11:59pm	H Section 12.2 Homework	89.47%
	03/23/14 11:59pm	H Section 12.3 Homework	100%
	03/23/14 11:59pm	H Section 12.5 Homework	100%
	03/23/14 11:59pm	H Chapter 12 Review Homework	100%
	03/29/14 11:59pm	H Section 10.2 Homework	

Homework: Section 12.2 Homework　　　　Overview

1 2 3 4 5 6 7 8 9 10 ▶ ▶▶　　12.2.3

Ex. Score: 0 of 1 pt　　　　HW Score: 5.26% (2 of 38 pts)　　　　3 of 18 complete

Complete the sentence below.

If the fifth term of an arithmetic sequence is 11 and the common difference is 4, then the sixth term of the sequence is ____.

If the fifth term of an arithmetic sequence is 11 and the common difference is 4, then the sixth term of the sequence is 15.

Textbook
Calculator
Print

Enter any number or expression in the edit field, then click Check Answer.

All parts showing　　　Clear All　　Final Check　　Save

Math Pallet

Overview

12.2.3

Ex. Score: 0 of 1 pt   HW Score: 5.26% (2 of 38 pts)   3 of 18 complete

Complete the sentence below.

If the fifth term of an arithmetic sequence is 11 and the common difference is 4, then the sixth term of the sequence is _____.

If the fifth term of an arithmetic sequence is 11 and the common difference is 4, then the sixth term of the sequence is 15.

Textbook
Calculator
Print

Well done!

An arithmetic sequence may be defined recursively as $a_1 = a$, $a_n = a_{n-1} + d$, where a is the first term and d is the common difference. Thus, if the fifth term of an arithmetic sequence is $a_5 = 11$ and the common difference is $d = 4$, then the sixth term is $a_6 = a_5 + d = 11 + 4 = 15$.

Done

Enter any number or expression in the edit field, then click Check Answer.

All parts showing   Clear All   Final Check   Save

Hamza Duhaini 3/17/14 8:20 A

Overvi

12.2.37

Ex. Score: 0 of 2 pts   HW Score: 7.89% (3 of 38 pts)   4 of 18 complete

Find the sum.

$$4 + 9 + 14 + \ldots + (5n - 1)$$

$S_n = \boxed{n(2n-1)}$

Help Me Solve Th
Video
Textbook
Calculator
Print

Learning Aids

Sorry, that's not correct.

Use the formula $S_n = \frac{n}{2}(a_1 + a_n)$ to find the sum. Check your work carefully.

Done

Enter any number or expression in the edit field, then click Check Answer.

All parts showing   Clear All   Check Answer   Save

Help Me Solve This

Help Me Solve This

Find the sum.

$$4 + 9 + 14 + \ldots + (5n - 1)$$

An arithmetic sequence is given. What are the first and last terms of this sequence?

$$a_1 = 4$$
$$a_n = 5n - 1$$

To find the sum of the given sequence, use the formula $S_n = \dfrac{n}{2}(a_1 + a_n)$.

$$S_n = \frac{n}{2}(4 + 5n - 1)$$

$$= \frac{n}{2}(\Box) \qquad \text{Simplify.}$$

Enter any number or expression in the edit field, then click Check Answer.

All parts showing

Clear All   Check Answer   Close

$$1 + 3 + 5 + \cdots + (2n - 1)$$

$$a = 1, \quad d = 2$$

$$S_n = \frac{n}{2}(a_1 + a_n)$$

$$= \frac{n}{2}(1 + 2n - 1)$$

$$= \frac{n}{2}(2n)$$

$$= n^2$$

01:14/01:22   CC ESP

Video Tutorials

3 Find the Sum of an Arithmetic Sequence

The next result gives two formulas for finding the sum of the first n terms of an arithmetic sequence.

THEOREM

Sum of the First n Terms of an Arithmetic Sequence

Let $\{a_n\}$ be an arithmetic sequence with first term a_1 and common difference d. The sum S_n of the first n terms of $\{a_n\}$ may be found in two ways:

$$S_n = a_1 + a_2 + a_3 + \cdots + a_n$$

$$= \sum_{k=1}^{n} \left[a_1 + (k-1)d \right] = \frac{n}{2}\left[2a_1 + (n-1)d \right] \quad (3)$$

$$= \frac{n}{2}(a_1 + a_n) \quad (4)$$

Textbook

Proof

$$S_n = a_1 + a_2 + a_3 + \cdots + a_n \qquad \text{Sum of first } n \text{ terms}$$

$$= a_1 + (a_1 + d) + (a_1 + 2d) + \cdots + [a_1 + (n-1)d] \qquad \text{Formula (2)}$$

$$= (a_1 + a_1 + \cdots + a_1) + [d + 2d + \cdots + (n-1)d] \qquad \text{Rearrange terms.}$$

$$\underbrace{\qquad\qquad}_{n \text{ terms}}$$

$$= na_1 + d[1 + 2 + \cdots + (n-1)]$$

$$= na_1 + d\left[\frac{(n-1)n}{2}\right] \qquad \text{Formula 6, Section 12.1}$$

$$= na_1 + \frac{n}{2}(n-1)d$$

$$= \frac{n}{2}[2a_1 + (n-1)d] \qquad \text{Factor out } \frac{n}{2}; \text{ this is Formula (3).}$$

$$= \frac{n}{2}[a_1 + a_1 + (n-1)d]$$

$$= \frac{n}{2}(a_1 + a_n) \qquad \text{Use Formula (2); this is Formula (4).} \quad \blacksquare$$

Quizzes & Tests

Course Home				
Homework	02/15/14 11:00pm	Chapter 7.1-7.5 Take-Home-Test	90min	1 of 1	--
Quizzes & Tests	02/24/14 11:59pm	Take-Home Quiz 7.6 - 7.7	60min	1 of 1	69.58%
Study Plan	03/10/14 11:59pm	Chapter 7 Home-Test	120min	2 of 2	95.45%
Gradebook	03/13/14 2:00pm	Chapter 8 Test	55min	1 of 1	77.78%
▶ Chapter Contents	03/26/14 2:00pm	Chapter 12 Test	50min	1 of 1	74.29%

Sample Tests and Quizzes
Sample tests and quizzes can be taken for practice or to build your study plan. Sample tests and quizzes do not affect your grade

Sample Tests and Quizzes	Attempts	Gradebook Score
Chapter 6 Pre-Test	2 of ∞	91.23%
Section 6.1 Are You Prepared Quiz	5 of ∞	40%
Section 6.1 Concepts and Vocabulary Quiz	2 of ∞	87.5%
Section 6.2 Are You Prepared Quiz	1 of ∞	100%
Section 6.2 Concepts and Vocabulary Quiz	1 of ∞	100%
Section 6.3 Are You Prepared Quiz	1 of ∞	75%
Section 6.3 Concepts and Vocabulary Quiz	1 of ∞	100%
Section 6.4 Are You Prepared Quiz	3 of ∞	66.67%
Section 6.4 Concepts and Vocabulary Quiz	1 of ∞	100%
Section 6.5 Are You Prepared Quiz	2 of ∞	100%
Section 6.5 Concepts and Vocabulary Quiz	2 of ∞	87.5%

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Study Plan

You have earned **106** of **156** mastery points (MP).

View progress

Practice these objectives and then take a Quiz Me to prove mastery and earn more points.

📌 **Objectives to practice and master**   View all chapters

6.1 Angles and Their Measure

📌 Convert from degrees to radians and from radians to degrees.   [Practice] [Quiz Me]   0 of 1 MP

6.2 Trigonometric Functions: Unit Circle Approach

📌 Use a calculator to approximate the value of a trigonometric function.   [Practice] [Quiz Me]   0 of 1 MP

📌 Use a circle of radius r to evaluate the trigonometric functions.   [Practice] [Quiz Me]   0 of 1 MP

6.3 Properties of the Trigonometric Functions

📌 Are You Prepared?   [Practice] [Quiz Me]   0 of 1 MP

6.4 Graphs of the Sine and Cosine Functions

📌 Determine the properties, amplitude, and period of sinusoidal functions.   [Practice] [Quiz Me]   0 of 1 MP

Recently mastered

12.5 The Binomial Theorem

🎓 Use the Binomial Theorem.   1 of 1 MP

🅁 Gradebook

Results from entire course to date.		Correct/ Total	Score	Time Spent	Date Worked
🔺T Chapter 12 Test	Review	29/35	82.86%	37m 55s	03/24/14 12:05pm
Ⓗ Chapter 12 Review Homework	Review	38.33/50	76.67%	1h 2m 21s	03/23/14 11:09pm
Ⓗ Section 12.5 Homework	Review	13/17	76.47%	32m 24s	03/23/14 10:39pm
Ⓗ Section 12.3 Homework	Review	34.6/45	76.89%	1h 40m 32s	03/23/14 9:17pm
Ⓗ Section 12.2 Homework	Review	32/38	84.21%	1h 46m 46s	03/23/14 7:57pm
Ⓗ Section 12.1 Homework	Review	35.63/37*	96.3%	1h 17m 45s	03/15/14 10:15pm
🔺T Chapter 8 Test	Review	33/36*	91.67%	55m	03/13/14 10:21am
Ⓗ Chapter 8 Review Homework	Review	75.2/80	94%	2h 10m 49s	03/10/14 11:20pm
🔺T Chapter 7 Home-Test	Review	49/55	89.09%	24m 56s	03/10/14 12:01am
Ⓗ Section 8.3 Homework	Review	50/50	100%	1h 8m 48s	03/08/14 2:33pm
Ⓗ Section 8.2 Homework	Review	37/45	82.22%	1h 19m 20s	03/07/14 5:33pm
Ⓗ Section 8.4 Homework	Review	10/10	100%	21m	02/28/14 11:05am
Q Take-Home Quiz 7.6 - 7.7	Review	18.62/36	51.72%	33m 52s	02/24/14 9:23pm
Ⓗ Section 8.1 Homework	Review	35/35	100%	1h 47m 3s	02/23/14 8:02pm
Ⓗ Section 7.6 Homework	Review	38.67/45	85.93%	2h 12m 32s	02/22/14 5:44pm
Ⓗ Chapter 7.6 -7.7 Review homework	Review	53.29/55	96.88%	2h 53s	02/22/14 5:01pm
Ⓗ Section 7.7 Homework	Review	20/20	100%	30m 8s	02/18/14 10:19am
Ⓗ Chapter 7 Review Homework	Review	95.5/120	79.58% (omitted)	1h 54m 1s	02/15/14 10:34pm
🔺T Chapter 7.1-7.5 Take-Home-Test	Review	28/38	73.68% (omitted)	1h 18m 19s	02/15/14 9:44pm

Gradebook

Your Progress

Height of each bar shows how much each category contributes to your overall score.
Fill shows how much work you've done so far in your course.
Color represents what your current score is for that category.

Your Average Scores
- Above 85%
- 70%-85%
- Below 70%

Homework   Quizzes   Tests
H   Q   T

Your Overall Score is a **weighted average** calculated using your average score for each category and the category's weight in points.

Assignment type	Your Average Scores	x	Category Weight	=	Points Earned	Time Spent
Homework	99.2 %		30 pts		29.76	26h 38m
Quiz	69.6 %		20 pts		13.92	1h
Test	82.5 %		40 pts		33	3h 48m
Attendance 1			10 pts			
			90 total pts		76.67 pts earned	31h 26m

Overall Score: You have earned 76.67 out of 90 for an overall score of 85.2 %
Total Time Spent: (all times rounded to the nearest minute): 31h 26m

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MT 132: Preacalculus 2 - Period 2

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How do I enter answers?   MyMathLab Help/Support   Pearson Tutor Services   Course Information

Review

Use the English/Spanish Audio Glossary (Glosario Audiovisual Español/Inglés) to review audio terms and definitions in English or Spanish.

View the Algebra Review Card for a brief summary of key algebra concepts.

View the AUTHOR IN ACTION! Camtasia videos . These videos represent actual classroom lectures by Michael Sullivan, III over the course of a seme

Graphing Calculator Help

View the Graphing Calculator Reference Card for help using your Graphing Calculator.

Use the Graphing Calculator Tutorial to learn basic TI calculator functions.

Use the Online Calculator Lessons from Texas Instruments.

Activities and Projects

View Engaging Algebra: Activities that Create Connections, a collection of activities that foster connections between concepts.

View Precalculus Activities Using the WolframAlpha[TM], a collection of activities using real data from real databases.

Multimedia Library

Sullivan: Precalculus Enhanced w/ Graphing Utilities, 6e

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To view the multimedia resources available for your textbook, make your selection(s) below.

Chapter: 6. Trigonometric Functions

Section: Section 6.4: Graphs of the Sine and Cosine Functions

Media Type: ☑ Select All ☑ Animation ☑ Interactive Figure ☑ Multimedia Textbook ☑ PowerPoint ☑ Section Video Lectures ☑ Video

Find Now

Chapter 6. Trigonometric Functions

Animation
Trigonometric Functions of any Angle

Interactive Figure
Graphs of Sine, Cosine, and Tangent

Multimedia Textbook
6.4 Graphs of the Sine and Cosine Functions

PowerPoint
Power Point 6.4

Section Video Lectures
Section Video: Finding An Equation For A Sinusoidal Graph
Section Video: Graphing A Sinusoidal Function Using Key Points
Section Video: Graphing A Sinusoidal Function Using Key Points
Section Video: Graphing Functions Of The Form Y = A Sin (Wx) Using Transformations
Section Video: Graphing Functions Of The Form Y = Cos (Wx) Using Transformations

Video
AUTHOR IN ACTION! Camtasia Video: Determine Amplitude and Period
AUTHOR IN ACTION! Camtasia Video: Find Equation of Sinusoidal Graph
AUTHOR IN ACTION! Camtasia Video: Graph Cosine Function
AUTHOR IN ACTION! Camtasia Video: Graph Sinusoidal Functions Using Key Points
AUTHOR IN ACTION! Camtasia Video: Graph Transformations of Sine

Transformations of Sin Cos and Tan Functions

$f(x) = \text{sin}(x)$

$y = a\sin[b(x - c)] + d$

a ——— 1
b ——— 1
c ——— 0
d ——— 0

Plot Function ☑

Show Equation ☑
Guide Lines ☐
Integer Values ☑
Large ☑

$y = \sin(x)$

IFig 2.7
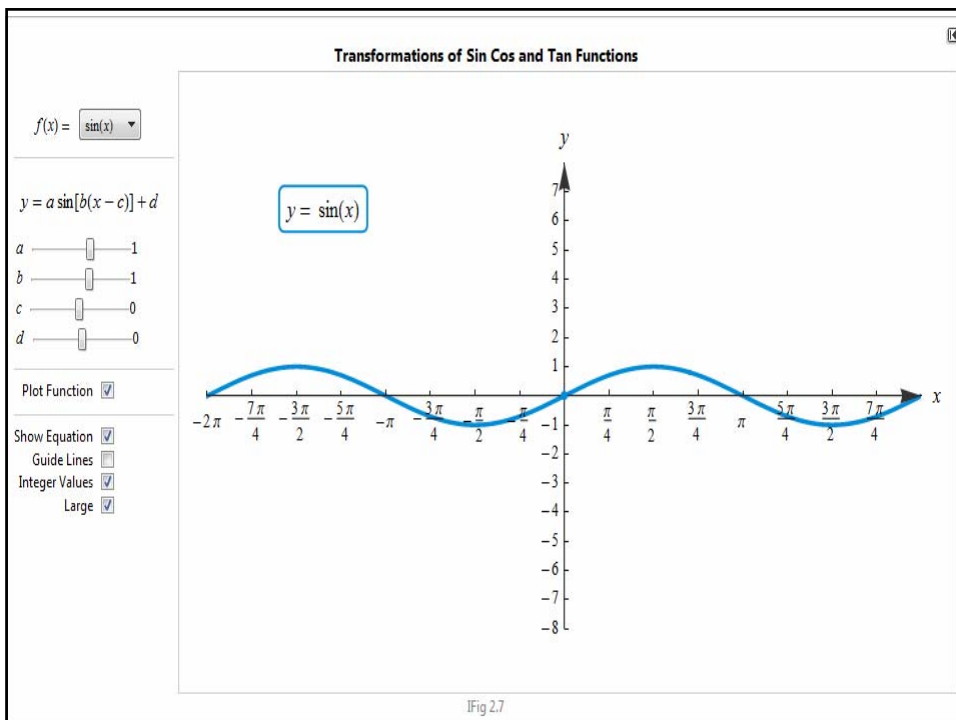
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Pearson Tutor Services for MyMathLab

As a MyMathLab student, you can register for **one tutoring session with Pearson Tutor Services** at no additional cost for up to thirty minutes of assistance.

The tutoring service provides you with the following:

- Help, when you need it, 24/7
- Easy access, with no additional registration
- Interactive whiteboard based interaction, as you work together with your tutor
- Archived access to your tutoring sessions, for you to refer later on if you have additional questions

Following your tutoring session, you will be presented with a survey form; we welcome your feedback.

After your free trial tutoring session concludes, you can follow the instructions on the page to purchase additional tutoring.

Note: If you are having technical problems with MyMathLab, you should contact our Customer Technical Support Team at http://247pearsoned.custhelp.com.

Start your tutoring session from the Pearson Tutor Services link on your Course Home or Dashboard page. You can also ask for tutoring help directly from a question in your homework or Study plan.

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Send Message

Select recipients:

(All Class Members)
Instructor: Duhaini, Hamza
Al-aji, Abdulla
alhababi, dhafer
Alkuwari, Ahmad
almajid, lolwa
altamimi, ahmed
Al-tamimi, Jawaher

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Recipients:

☑ Do not disclose recipients (bcc)

Cc:
(Instructor Only)

Subject: MT 132: Preacalculus 2 - Period 2:

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ClassLive

Lead Session | Join Session

Click a link to the left to lead or join a ClassLive session.
Note: Only one instructor can lead a session.

Session Archives

Session Date	Title	Start Time *	Duration	Session Leader	Delete

* Times are displayed in (GMT-05:00) Eastern Time (US & Canada)

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Screenshot 1

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◆ **Home Page Settings**

Calendar Options

Course Calendar	● Show	○ Hide
Upcoming Assignments	● Show	○ Hide

Progress Options

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Course Timeline	● Show	○ Hide
Results Target Line	[80] %	
My Progress Graph	● Show	○ Hide

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Publisher Announcement	○ Show	● Hide

[Cancel]

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Screenshot 2

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[Create Announcement] | 🏠 Home Page Settings

[Show All] [Current Postings] [Future Postings] [Past Postings]

Order	Announcement	Post	Remove	Actions
1	◆ (Thursday, March 20) **Chapter 12 Test** Dear students, You will have a test on chapter 12 next week during your Lab session. This is the last test for the fifth marking period. Study well and Good Luck	03/20/14		
2	◆ (Thursday, February 06) Test on sections 7.1 to 7.5 Dear Students You will have a test on Sections 7.1 to 7.5 next Thursday February 13. You can review your homework and do sample quizzes and tests. Good Luck Mr. Hamza	02/06/14	02/14/14	

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Create Test
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Import/Copy Assignments from another course
Copy and Assign Sample Assignments

Create Custom Question

…tendance 1 | Chapter

Order	Ch.	Assignment Name	Category	Assigned	Start	Due	Actions	
1	6	◆ Section 6.1 Homework	H	✓	01/06/14	01/11/14	-- Choose --	Go
2	6	Chapter 6 Pre-Test	◆	✓	01/07/14	01/11/14	-- Choose --	Go
3	6	Section 6.2 Homework	H	✓	01/12/14	01/18/14	-- Choose --	Go
4	6	Section 6.3 Homework	H	✓	01/13/14	01/18/14	-- Choose --	Go
5	6	Section 6.4 Homework	H	✓	01/14/14	01/19/14	-- Choose --	Go
6	6	Chapter 6 Quiz 1	Q	✓	01/20/14	01/23/14	-- Choose --	Go
7	6	Chapter 6 Take Home Quiz1	Q	✓	01/23/14 6:00pm	01/25/14	-- Choose --	Go
8	6	Section 6.5 Homework	H	✓	01/20/14	01/25/14	-- Choose --	Go
9	6	Section 6.6 Homework	H	✓	01/20/14	01/25/14	-- Choose --	Go
10	6	Chapter 6 Review Homework	H	✓	01/22/14	01/26/14	-- Choose --	Go
11	6	Chapter 6 Test	◆	✓	01/27/14	01/30/14	-- Choose --	Go
12	7	Section 7.1 Homework	H	✓	01/28/14	02/01/14	-- Choose --	Go

---

▣ Assignment Manager

MT 132: Preacalculus 2

Copy Homework Member List | Legend 🖶 ❓

① **Start**　② Select Media and Questions　③ Choose Settings

Book Sullivan: Precalculus Enhanced w/ Graphing Utilities, 6e

Gradebook Category Homework

Homework Name | Chapter 6 Review Homework

Would you like this homework to be personalized based on student test or quiz results? Please note that media cannot be added to personalized homework assignments.

☐ Yes, omit questions from objectives that were mastered in test/quiz: | Choose... ▼

⚠ If this assignment contains items from sections that you have removed from your course, they will not be shown in the My Selections area on Step 2, and they will be removed from the assignment when you click Save.

Cancel | Next ▶ | Save | Save & Assign

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Name Chapter 6 Review Homework

Book Sullivan: Precalculus Enhanced w/ Graphing Utilities, 6e Change...

Chapter	6. Trigonometric Functions	▼
Section	All Sections	▼
Objective	All Objectives	▼
Availability	All questions	▼

Question Source

☑ Show publisher questions

☐ Show additional test bank questions

☑ Show custom questions (+) for this book

☐ Show other custom questions Refine Selection ...

(+) Create my own questions

[Questions] [Media]

Available Questions (326)
▲ ☐ Question ID

	Question ID	
📶 ☐	6.1.1	🖋
📶 ☐	6.1.2	🖋
📶 ☐	6.1.3	🖋
📶 ☐	6.1.4	🖋
📶 ☐	6.1.5	
📶 ☐	6.1.6	🖋
📶 ☐	6.1.7	🖋
📶 ☐	6.1.8	🖋
📶 ☐	6.1.9	🖋
📶 ☐	6.1.10	🖋
📶 ☐	6.1.11	
📶 ☐	6.1.13	
📶 ☐	6.1.15	
📶 ☐	6.1.17	
📶 ☐	6.1.19	🖋
📶 ☐	6.1.21	
📶 ☐	6.1.23	

[Add ▶]

[◀ Remove]

My Selections (63)   ▶ View Assignment Details   Questions: 63

▲ ☐ # Question ID / Media Section / Book Association Estimated time: 99m 19s Points: 63

	#	Question ID	Section / Book Association	Estimated time		Pts
📶 ☐	1	6.1.25	Convert between deci...	1m 11s	🖋	1
📶 ☐	2	6.1.27	Convert between deci...	1m 11s	🖋	1
📶 ☐	3	6.1.29	Convert between deci...	55s	🖋	1
📶 ☐	4	6.1.31	Convert between deci...	1m 6s	🖋	1
📶 ☐	5	6.1.41	Convert from degrees...	42s		1
📶 ☐	6	6.1.45	Convert from degrees...	41s		1
📶 ☐	7	6.1.51	Convert from degrees...	33s		1
📶 ☐	8	6.1.55	Convert from degrees...	44s		1
📶 ☐	9	6.1.73	Use the formula for th...	1m 2s		1
📶 ☐	10	6.1.75	Use the formula for th...	1m 21s	🖋	1
📶 ☐	11	6.1.83	Use the formula for th...	1m 47s		1
📶 ☐	12	6.1.85	Use the formula for th...	1m 47s	🖋	1
📶 ☐	13	6.1.91	Solve applications and...	2m 36s	🖋	1
📶 ☐	14	6.1.93	Solve applications and...	1m 44s	🖋	1
📶 ☐	15	6.1.97	Solve applications and...	3m 27s		1
📶 ☐	16	6.1.99	Solve applications and...	3m 51s		1
📶 ☐	17	6.1.111	Solve applications and...	2m 41s		1

[Preview & Add]

[Preview & Remove] [View student homework] [Sort All] [▲] [▼] [🗑]

Name Chapter 6 Review Homework

Book Sullivan: Precalculus Enhanced w/ Graphing Utilities, 6e

Availability Options

Available   5/14/2014 📅   12:00 AM 🕐   Current course time: 10:25am
Time zone: (UTC+03:00) Kuwait, Riyadh Change...

Due   [ ] 📅   [ ] 🕐

Chapter Associations   Display with assignments from chapters: 6   Change...
Note: This assignment covers material from chapters 6

Scoring Options

Late submissions   ☐ Allow students to work and change score after due date

☐ Require password [ ]

☐ Require final submission [ ] 📅 [ ] 🕐

☐ Deduct late submission penalty [From final score ▼] Penalty [ ] [% ▼]

☐ Apply only to questions scored after the due date

Partial Credit   ☑ Allow partial credit on questions with multiple parts

Access Controls

Prerequisites   None   Change...

Attempts per question   ☐ Limit number of times students can work each question to [ ]

Presentation Options

Lock Correct Answers   ☐ Indicate and lock all correct answers after each Check Answer

Save Values   ☑ Save question values and student answers

Printing   ☑ Allow students to print this homework assignment

Learning Aids   Help Me Solve This, Video, Animation, Textbook, Calculator, Instructor Tip   Change....

☐ Show in Review mode only

MT 132: Preacalculus 2

Copy Test Member List   Legend 🖨 ❓

| ① **Start** | ② Add/Remove Content | ③ Choose Settings |

Book   Sullivan: Precalculus Enhanced w/ Graphing Utilities, 6e

Gradebook Category   [Test ▼]

Test Name   [Chapter 7 Post-Test]

☐ Assign a companion Study Plan as a prerequisite for this test

⚠ If this assignment contains items from sections that you have removed
from your course, they will not be shown in the My Selections area on Step
2, and they will be removed from the assignment when you click Save.

[Cancel]   [Next ▶] [Save] [Save & Assign]

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Name	Chapter 7 Post-Test
Book	Sullivan: Precalculus Enhanced w/ Graphing Utilities, 6e Change...
Chapter	[7. Analytic Trigonometry ▼]
Section	[All Sections ▼]
Objective	[All Objectives ▼]
Availability	[All questions ▼]

Question Source
☑ Show publisher questions
☑ Show additional test bank questions
☑ Show custom questions (+) for this book
☐ Show other custom questions Refine Selection ...
(+) Create my own questions

Available Questions (618)
▲ ☐ Question ID

☐ 7.1.1	⤴
☐ 7.1.2	⤴
☐ 7.1.3	⤴
☐ 7.1.4	
☐ 7.1.5	⤴
☐ 7.1.6	⤴
☐ 7.1.7	⤴
☐ 7.1.8	⤴
☐ 7.1.9	⤴
☐ 7.1.10	⤴
☐ 7.1.11	⤴
☐ 7.1.12	⤴
☐ 7.1.13	
☐ 7.1.15	
☐ 7.1.17	
☐ 7.1.19	
☐ 7.1.21	

[Add ▶] [◀ Remove]

My Selections (26)   ▶Pooling options ▶ View question details   Questions: 26
▲ ☐ # Question ID   Objective   Estimated time: Points: 26
                                              49m 32s

☐ 1	7.1.23	Find exact values of in...	41s		1
☐ 2	7.1.27	Find approximate valu...	28s		1
☐ 3	7.1.33	Find approximate valu...	35s	⤴	1
☐ 4	7.1.41	Use properties of inve...	1m 5s		1
☐ 5	7.1.51	Use properties of inve...	35s		1
☐ 6	7.2.13	Find the exact value o...	1m 10s		1
☐ 7	7.2.25	Find the exact value o...	1m 26s		1
☐ 8	7.2.41	Find the exact value o...	1m 16s		1
☐ 9	7.2.45	Use a calculator to ev...	1m 10s	⤴	1
☐ 10	7.2.47	Use a calculator to ev...	1m 18s	⤴	1
☐ 11	7.3.15	Solve equations involv...	2m 13s		1
☐ 12	7.4.33	Establish identities.	4m 19s		1
☐ 13	7.4.37	Establish identities.	3m 1s		1
☐ 14	7.4.43	Establish identities.	1m 12s	⤴	1
☐ 15	7.4.49	Establish identities.	4m 7s		1
☐ 16	7.4.57	Establish identities.	2m 43s		1
☐ 17	7.4.63	Establish identities	4m 39s		

[Preview & Add]   [Preview & Remove] [View student test]   [Sort All] [▲] [▼] [🗑]

[Cancel]   [◀ Back] [Next ▶] [Save] [Save & Assign]

Access Controls

Password   ☐ Required password

Prerequisites   None   Change...

Number of Attempts   ☐ Limit number of attempts to

Incomplete Attempt   ○ Students have the Save for Later option. They can leave and return later to complete the test. They must answer in order, and cannot go back to previously viewed questions.

⦿ Students are expected to complete the test in one session

   ⦿ If attempt is interrupted, students may re-access and complete on their own

   ○ If attempt is interrupted, instructors must enable access

      ○ **Restricted Access:** Student cannot resume an incomplete attempt until the instructor enables access to it.

      ○ **Blocked Access:** Student cannot access other assignments or questions while taking a test. If the student does not submit the test, access to all questions and assignments is blocked until the instructor enables access to or deletes the incomplete test.

Presentation Options

Time Limit   ☐ Test time allowed (minutes):

   ☐ Show time remaining during test

Question display   ☑ Scramble question order for each student

Learning Aids   None   Change....

   ☐ Show in Review mode only

Graphing   ☐ Allow students to move points by typing coordinates

Review Options

Results Display   Test Summary shows test score and question results ▾

Reviewing test   Student can review test any time after submitting ▾

Study Plan   ☑ Results are used to update the study plan

Print   ☐ Allow students to print the test with the correct answers and their

---

Homework	Member: MT 132: Preacalculus 2 - Period 2 [11] - Duhaini ▾ > STUDY PLAN MANAGER
Quizzes & Tests	Manage Course List
Study Plan	◆ **Study Plan Manager** 🖨 ⑦
Gradebook	The Study Plan settings for this course are shown below. Click Edit if you wish to make changes
▶ Chapter Contents	
Tools for Success	**Mastery Settings** Edit
Multimedia Library	

Mastery Settings — Edit

Assignments that affect mastery		
	Assigned Homework	100%
	Assigned Tests	100%
	Assigned Quizzes	100%
	Sample tests from Pearson	100%
	Quiz Me from the Study Plan	100%
Quiz Me settings	Number of questions	5
	Difficulty distribution	1 Easy, 3 Med, 1 Hard

Access — Edit

Study Plan Contents page	Always Available	
Recommendations page	Always Available	

Coverage and Scoring — Edit

Objective scoring	Objectives scored and recommended	156 of 183
Question coverage	Questions available for practice	1139 of 1294

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Course Tools side menu:
- Pearson Tutor Services
- Discussions
- ▼ Course Tools
  - Email
 - Chat & ClassLive
  - Document Sharing
  - HTML eBook
  - Course Home Manager
  - Announcements Manager
  - Assignment Manager
  - Study Plan Manager
  - Gradebook

| Homework |
| Quizzes & Tests |
| Study Plan |
| Gradebook |
| ▶ Chapter Contents |
| Tools for Success |
| Multimedia Library |
| Pearson Tutor Services |
| Discussions |
| ▼ Course Tools |
| Email |
| Chat & ClassLive |
| Document Sharing |
| HTML eBook |
| Course Home Manager |
| Announcements Manager |
| Assignment Manager |
| Study Plan Manager |
| Gradebook |

◆ Gradebook

Export Data ▼ | **I** Manage Incompletes | ⚖ Change Weights | 👥 Add/Edit Student IDs

More Gradebook Tools ▼

Gradebook Views

▶ **All Assignments**	▶ **Overview By Student**	▶ **Study Plan**	▶ **Performance by Chapter**	▶ **Alerts**
Detailed assignment results	Student averages for gradebook categories	Study Plan progress per student	Overall class performance for book chapters	Inactivity
Homework				Work needs grading (0)
Quizzes				
Tests				
Attendance 1 (Manage offline categories)				

Class Roster   All Students   A-E   F-J   K-O   P-T   U-Z

Al-aji, Abdulla	Baturni, Yara
alhababi, dhafer	Dorzadeh, Hamideh
Alkuwari, Ahmad	eldahdouh, dalia
almajid, lolwa	zourob, yousef
altamimi, ahmed	Al-Nuaimi, Hissa
Al-tamimi, Jawaher	Duhaini, Hamza
alzaini, fatima	Mekati, Walid Taki Eddine

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Overall Score 100%	# of Results -	◆ Section 12.1 Homework 2.1%	◆ Section 12.2 Homework 2.1%	◆ Section 12.3 Homework 2.1%	◆ Section 12.5 Homework 2.1%	◆ Chapter 12 Review Homework 2.1%	◆ Chapter 12 Test 13.3%
77.9%	--	97.1% 🄸🄰	92% 🄸🄰	93.7% 🄸🄰	93.6% 🄸🄰	91.5% 🄸🄰	66.7% 🄸🄰
80.5%	--	96.3%	98.4%	95.6%	100%	94.7%	71.4%
--	188	11	11	11	11	11	9
		Change Scores	Change Scores	Change Scores	Change Scores	Change Scores	Change Scores
71%	17	96.3%*	50%	77%	88.2%	73.3%	--
81.9%	17	96.3%*	100%	95.6%	88.2%	100%	54.3%
84.8%	17	99.9%*	93.2%	94.8%	88.2%	88%	91.4%
80.5%	17	96.3%*	84.2%	76.9%	76.5%	76.7%	82.9%
90%	16	99.9%*	100%	100%	88.2%	98.7%	omitted
85.2%	17	100%*	89.5%	100%	100%	100%	74.3%
63.3%	17	96.3%*	100%	91.9%	100%	88.7%	51.4%
74.8%	17	99.9%*	96.8%	100%	100%	94%	57.1%
87.8%	17	96.3%*	100%	100%	100%	97.3%	82.9%
61%	18	100%	98.4%	94.8%	100%	94.8%	34.3%
76.7%	18	87.3%*	100%	100%	100%	94.7%	71.4%

Overall Score -	Homework 30 pt	Quizzes 20 pt	Tests 40 pt
77%	95.9%	67.7%	67.4%
75.3%	94.7%	64.8%	66%
81.8%	96.1%	87.6%	68.2%
82.1%	93.9%	57%	85.7%
81.7%	94.6%	51.7%	86.9%
87.1%	99.5%	94.4%	74.1%
82%	97%	69.6%	76.9%
61.4%	87.4%	56.7%	44.2%
74.3%	99.2%	79.6%	52.9%
84.1%	99.2%	73.1%	78.3%
58.8%	97.7%	50%	33.9%
78.3%	95.4%	60.4%	74.4%
--	--	--	--

Questions			Objectives			
Correct	Worked	Total	Mastered	Total	Score	Time Spent
9	35	999	83	139	59.71%	1h 27m 35s
8	14	999	92	139	66.19%	12m 24s
197	304	999	100	139	71.94%	14h 55m 47s
37	45	999	92	139	66.19%	50m 11s
110	199	999	100	139	71.94%	15h 49m 34s
123	185	999	98	139	70.50%	6h 7m 4s
140	188	999	78	139	56.12%	7h 4m 29s
54	164	999	81	139	58.27%	9h 21m 19s
8	58	999	103	139	74.10%	4h 21m 15s
67	81	999	77	139	55.40%	2h 14m 43s
6	12	999	95	139	68.35%	7m 14s

Book Contents	Homework	Quizzes (all attempts)	Tests (all attempts)	Study Plan
⊕ Ch. 6. Trigonometric Functions				70.8%
⊖ Ch. 7. Analytic Trigonometry	96.4%	65.5%	73.8%	72.9%
⊖ Section 7.1: The Inverse Sine, Cosine, and Tangent Functions			83.3%	78.4%
▶ Are You Prepared?				90.9%
▶ Concepts and Vocabulary				36.4%
▶ Find exact values of inverse sine, cosine, and tangent functions.				81.8%
▶ Find approximate values of inverse sine, cosine, and tangent functions.				100%
▶ Use properties of inverse functions to find exact values of certain composite functions.			75%	63.6%
▶ Find the inverse function of a trigonometric function.				90.9%
▶ Solve equations involving inverse trigonometric functions.			100%	100%
▶ Solve applications and extensions.				63.6%
⊕ Section 7.2: The Inverse Trigonometric Functions (Continued)			85.4%	74%
⊕ Section 7.3: Trigonometric Equations			81.3%	74%
⊕ Section 7.4: Trigonometric Identities			56.3%	63.6%
⊕ Section 7.5: Sum and Difference Formulas			76.8%	79.2%
⊕ Section 7.6: Double-angle and Half-angle Formulas	94.5%	56.2%	70%	63.6%
⊕ Section 7.7: Product-to-Sum and Sum-to-Product Formulas	99.2%	90.9%	78.1%	74.2%
⊕ Ch. 8. Applications of Trigonometric Functions	95.6%		59.4%	76.9%
⊕ Ch. 12. Sequences; Induction; the Binomial Theorem	94.6%			29.5%
⊕ Ch. 13. Counting and Probability				
⊕ Ch. 14. A Preview of Calculus: The Limit, Derivative, and Integral of a Function				

Gradebook

Student name · Email Student

Results

Overall Score: **82.1%**
▶ Show details

[All Assignments ▾]   [Study Plan Results]
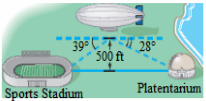
Results from entire course to date.

Results from entire course to date.		Correct/ Total	Score	Time Spent	Date Worked	Actions	
Ⓗ Section 12.1 Homework	Review	35.67/37	96.4%	2h 14m 23s	03/15/14 11:48pm	-- Choose -- ▾	Go
◆ Chapter 8 Test	Review	27/36*	75%	43m 20s	03/13/14 10:15am	-- Choose -- ▾	Go
◆ Chapter 7 Home-Test	Review	53/55	96.36%	23m 11s	03/10/14 10:11pm	-- Choose -- ▾	Go
Ⓗ Chapter 8 Review Homework	Review	76.2/80	95.25%	2h 15m 21s	03/09/14 5:57pm	-- Choose -- ▾	Go
Ⓗ Section 8.3 Homework	Review	38/50	76%	3h 20m 12s	03/08/14 11:26pm	-- Choose -- ▾	Go
Ⓗ Section 8.2 Homework	Review	41.5/45	92.22%	2h 19m 21s	03/08/14 7:56pm	-- Choose -- ▾	Go
Ⓗ Section 8.4 Homework	Review	10/10	100%	10m 45s	02/25/14 12:15pm	-- Choose -- ▾	Go
Ⓠ Take-Home Quiz 7.6 - 7.7	Review	20.52/36	57.01%	55m 41s	02/24/14 8:19pm	-- Choose -- ▾	Go
Ⓗ Section 8.1 Homework	Review	33.67/35	96.19%	37m 11s	02/24/14 12:04pm	-- Choose -- ▾	Go
Ⓗ Chapter 7.6 -7.7 Review homework	Review	51.57/55	93.77%	26m 58s	02/22/14 11:21pm	-- Choose -- ▾	Go
Ⓗ Section 7.6 Homework	Review	43/45	95.56%	2h 18m 6s	02/22/14 10:53pm	-- Choose -- ▾	Go

8.1.69

Question Score: 0 of 4 pts — Test Score: 75% (27 of 36 pts)

A blimp, suspended in the air at a height of 500 feet, lies directly over a line from a sports stadium to a planetarium. If the angle of depression from the blimp to the stadium is 39° and from the blimp to the planetarium is 28°, find the distance between the sports stadium and the planetarium.

39° 500 ft 28°
Sports Stadium — Platentarium

The distance between the sports stadium and the planetarium is 1557.81 feet.
(Do not round until the final answer. Then round to two decimal places as needed.)

Roll your mouse over the red indicators to see incorrect answers.

Previous Question — Next Question — Close

Print
Add Comment
Ask the Publisher
More

Instructor Resources

Instructor Help

Access instructor help resources for teaching with MyMathLab/MyStatLab.

How do I...?

View a Quick Reference Guide for working with MyMathLab/MyStatLab.

For More Information

Visit www.mymathlab.com to learn about MyMathLab news, events, and faculty resources.
Visit Pearson's online catalog for a full description of the textbook for this course and its supplements.

Instructor Resources

Online Exercise Listing

See a list of the online exercises that are available for you to assign in this course using the Assignment Manager.

Author Selected Homework Assignments

See a list of the author selected homework assignments that are available for you to assign in this course.

Instructor's Solutions Manual

View the Instructor's Solution Manual containing detailed, worked-out solutions to all exercises and Chapter Projects in your textbook.

Mini Lecture Notes

View the Mini Lecture Notes containing detailed, worked-out solutions to all exercises and Chapter Projects in the text.

Worksheets

View the Worksheets to review and practice key skills from the textbook.

Printed Test Bank

View the Printed Test Bank which contain printouts of the test items found in TestGen.

PowerPoint® Lecture Slides

See the PowerPoint Lecture Slides that accompany your textbook.

Conclusion

- The percentage of students earning A's and B's in their Math courses have increased since we introduced MyMathLab into our curriculum.

- Students are spending more time practicing mathematics this year than any previous years.

- We anticipate that the success rate of those students in their subsequent course at their college will also increase.

- Teachers are tracking students' performance much better and providing more help for struggling students.

- Teachers are interacting more with their students and are well aware of their strengths and weaknesses

One student said,

"It is SO much more helpful that you can work and rework problems, select view an example or select help me solve it in MyMathLab. This method of learning has been the most successful method of learning in my entire education."