




**Failure is the
key to success;
each mistake
teaches us
something.**

Morihei Ueshiba // Quoteistan.com



TUESDAY: ch.1 online review
(due Wed 11:59pm)

WEDNESDAY: ch.1 written review
(due Thu at the beginning of class)

THURSDAY: ch.1 test
(no notes, no calculator)

FRIDAY: begin ch.2



Ch.1 TEST THURSDAY!!

**80 points, show all work.
No notes, no calculator.**

How to prepare for the test:

- *Complete both review assignments.**
- *Read through your notes/examples.**
- *Practice old homework problems.**

Today's handout:

GET PREPARED FOR THE CHAPTER 1 TEST!!

See WebAssign for extra practice problems:
access previous assignments, use Personal Learning Plan for support.

Rework problems that were previously assigned in the ebook
(homework papers have been passed back to you to use as a reference.)

Read through all of your notes/examples that were presented for chapter 1.

Drop by for extra help in the mornings from 8–8:25 and/or at lunch.

Form a study group: meet in library, in Rosenow's room, or meet via zoom.

Collaborate: if you talk more about math, ask questions, and help each other then you will better understand the main concepts and smaller details!!

SECTION	TOPICS
1.1	unions, intersections, set notation,
1.2	exponents, radicals, rationalize denominator with a single value
1.3	algebraic expressions, special product and factoring formulas, factor using GCF and FOIL
1.4	+ - x ÷ rational expressions, domain, rationalize denominator using the conjugate
1.5	solve equations with Zero Product Property, Quadratic formula, Completing the Square solve radical and fractional equations
1.6	imaginary and complex numbers, simplify using conjugate
1.9	finding midpoint and distance given 2 points, x- and y-intercepts
1.10	slope, vertical and horizontal lines, parallel and perpendicular lines, equations of lines

15. 1/1 points | [Previous Answers](#) SPreCalc7 1.4.085.MI. [3260055]

Rationalize the denominator.

$$\frac{1}{13 - \sqrt{11}}$$

$$\frac{(13 + \sqrt{11})}{158}$$



$$\frac{13 + \sqrt{11}}{158}$$

**WebAssign:
student view**

Need Help?

Read It

Watch It

Master It

Use these options for extra help and to review for an upcoming quiz/test

16. 0/1 points | [Previous Answers](#) SPreCalc7 1.4.086. [3259994]

Rationalize the denominator.

$$\frac{8}{2 - \sqrt{5}}$$

$$-16 - 8\sqrt{15}$$



$$-16 - 8\sqrt{5}$$

Need Help?

Read It

Submission 1 (0/1 points) Thursday, August 26, 2021 12:15 PM PDT

Perform the multiplication or division and simplify.

$$\frac{x^2 + 8x - 9}{x^2 - 8x - 9} \cdot \frac{9 - x}{9 + x}$$

$$\frac{(x - 1)(9 - x)}{(x + 1)(x - 9)} \times \frac{1 - x}{x + 1}$$

**WebAssign:
teacher view**

I can view all of your submissions to get a better idea of your understanding or misunderstanding.

Submission 2 (0/1 points) Thursday, August 26, 2021 12:16 PM PDT

Perform the multiplication or division and simplify.

$$\frac{x^2 + 8x - 9}{x^2 - 8x - 9} \cdot \frac{9 - x}{9 + x}$$

$$\frac{(x - 1)(9 - x)(x + 9)}{(x + 1)(x - 9)(9 + x)} \times \frac{1 - x}{x + 1}$$

Submission 1 (0/1 points) Thursday, August 26, 2021 10:18 AM PDT

Rationalize the denominator.

$$\frac{8}{2 - \sqrt{5}}$$

$$\frac{(16 + 16\sqrt{15})}{-1}$$

✘

$$-16 - 8\sqrt{5}$$

**WebAssign:
teacher view**

Submission 2 (0/1 points) Thursday, August 26, 2021 10:18 AM PDT

Rationalize the denominator.

$$\frac{8}{2 - \sqrt{5}}$$

$$\frac{(16 + 8\sqrt{15})}{-1}$$

✘

$$-16 - 8\sqrt{5}$$

I can view all of your submissions to get a better idea of your understanding or misunderstanding.

Submission 3 (0/1 points) Thursday, August 26, 2021 10:27 AM PDT

Rationalize the denominator.

$$\frac{8}{2 - \sqrt{5}}$$

$$-16 - 8\sqrt{15}$$

✘

$$-16 - 8\sqrt{5}$$

Want more practice before the test?

- Go to **Personal Learning Plan** on the dashboard of your Cengage/Webassign account
- Click on Chapter 1 to access **practice quizzes** and **tutorials**.
- Tutorials allow you to **watch it** (video) and **master it** (practice problems.)
- Also, go to **Resources** on your dashboard for notes and videos.



Home

SELECT COURSE

HONORS TRIG/PRECALCULUS, section 2, 2019-2020

Go

My Assignments

Name

Due

Chapter 1 Review#1 (Fundamentals)

Sep 5, 2019 11:59:00 PM PDT

Current Assignments (1)

Past Assignments (5)

Grades

Your final grade has not been posted

Personal Study Plan -- Stewart :: PreCalculus - 7e



Resources



☰ Personal Study Plan -- Stewart :: PreCalculus - 7e



Overview

☰ 1: Fundamentals



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☰ 2: Functions

—

☰ 3: Polynomial and Rational Functions

—

Instructions:

Use the Personal Study Plan to practice and review knowledge throughout this course.

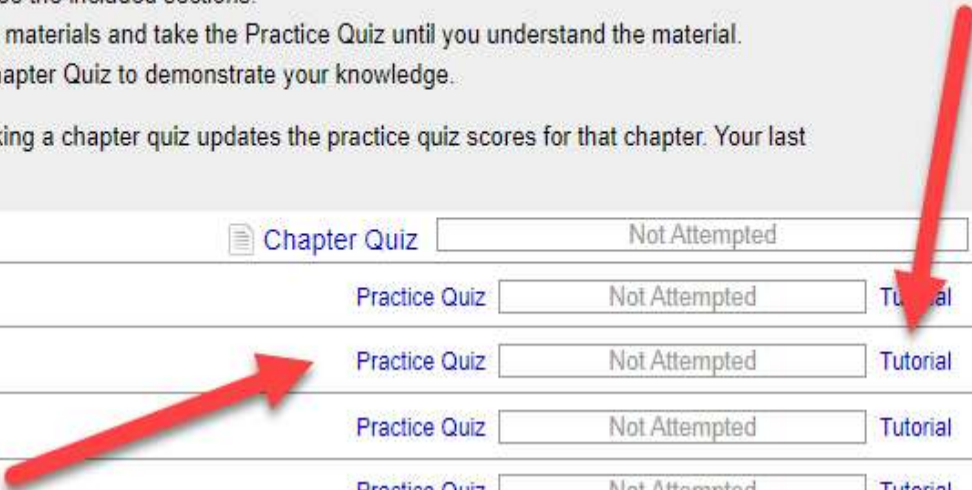
1. If needed, expand a chapter to see the included sections.
2. To study a section, view **Tutorial** materials and take the Practice Quiz until you understand the material.
3. When you are ready, take the Chapter Quiz to demonstrate your knowledge.

Retake quizzes as often as needed. Taking a chapter quiz updates the practice quiz scores for that chapter. Your last quiz scores are shown below.

 1: Fundamentals

 [Chapter Quiz](#)

1.1: Real Numbers	Practice Quiz	<input type="text" value="Not Attempted"/>	Tutorial
1.2: Exponents and Radicals	Practice Quiz	<input type="text" value="Not Attempted"/>	Tutorial
1.3: Algebraic Expressions	Practice Quiz	<input type="text" value="Not Attempted"/>	Tutorial
1.4: Rational Expressions	Practice Quiz	<input type="text" value="Not Attempted"/>	Tutorial
1.5: Equations	Practice Quiz	<input type="text" value="Not Attempted"/>	Tutorial
1.6: Complex Numbers	Practice Quiz	<input type="text" value="Not Attempted"/>	Tutorial
1.7: Modeling with Equations	Practice Quiz	<input type="text" value="Not Attempted"/>	Tutorial
1.8: Inequalities	Practice Quiz	<input type="text" value="Not Attempted"/>	Tutorial
1.9: The Coordinate Plane; Graphs of Equations; Circles	Practice Quiz	<input type="text" value="Not Attempted"/>	Tutorial
1.10: Lines	Practice Quiz	<input type="text" value="Not Attempted"/>	Tutorial
1.11: Solving Equations and Inequalities Graphically	Practice Quiz	<input type="text" value="Not Attempted"/>	Tutorial
1.12: Modeling Variation	Practice Quiz	<input type="text" value="Not Attempted"/>	Tutorial



Personal Study Plan - 1.2: Exponents and Radicals

← HONORS TRIG/PRECALCULUS, section 2, 2019-2020

Quiz Results

1. Question: SPreCalc7 1.2.015.MI.

Write the exponential expression using radicals.

$$a^{2/5}$$

PRACTICE QUIZ

2. Question: SPreCalc7 1.2.041.

Simplify each expression, and eliminate any negative exponents.

(a) $\frac{16a^7b^{-2}}{4a^{-5}b^6}$

(b) $\left(\frac{y}{2x^{-5}}\right)^{-2}$

3. Question: SPreCalc7 1.2.045.

Personal Study Plan - Tutorial


































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1: Fundamentals
1.1: Real Numbers

Chapter Quiz
Practice Quiz

The items listed below cover concepts related to this section. You can access these at any time to help improve your understanding of this material.

 Watch It	View how to tell what property of real numbers is being used to equate two expressions.
 210  51	
 Watch It	Observe how to rewrite an expression using the distributive property.
 117  15	
 Watch It	Watch how to use properties of real numbers to write an expression without parentheses.
 70  17	
 Master It	Write a statement in terms of an inequality.
 11  0	
 Master It	Find the union of three sets.
 8  0	
 Master It	Evaluate an absolute value.
 10  0	
 Master It	Application: Determine if a package with given dimensions will be accepted at the post office.
 8  2	
 Master It	Determine whether elements of a set are integers, natural, rational, or real numbers.
 7  2	
 Master It	Use the correct symbol to compare a whole number and a fraction.
 7  1	
 Master It	Express a set in interval notation.
 6  1	
 Master It	Tell what property of real numbers is being used to equate two expressions.
 1  0	

TUTORIAL:
Watch It
(videos) and
Master It
(extra practice)

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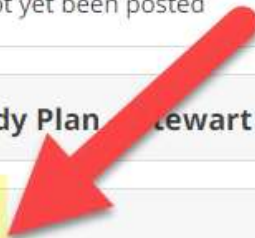
Grades

Your final grade has not yet been posted

Personal Study Plan Stewart :: PreCalculus - 7e



Resources



 **Personal Study Plan -- Stewart :: PreCalculus - 7e**

 **Resources**

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- ▶ 1: Fundamentals 
- ▶ 2: Functions
- ▶ 3: Polynomial and Rational Functions
- ▶ 4: Exponential and Logarithmic Functions
- ▶ 5: Trigonometric Functions: Unit Circle Approach
- ▶ 6: Trigonometric Functions: Right Triangle Approach
- ▶ 7: Analytic Trigonometry
- ▶ 8: Polar Coordinates and Parametric Equations
- ▶ 9: Vectors in Two and Three Dimensions
- ▶ 10: Systems of Equations and Inequalities
- ▶ 11: Conic Sections
- ▶ 12: Sequences and Series
- ▶ 13: Limits: A Preview of Calculus
- ▶ 14: Probability and Statistics

Resources

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▼ 1: Fundamentals

 Lecture Outline for Section 1.1

 Lecture Outline for Section 1.2

 Lecture Outline for Section 1.3

 Lecture Outline for Section 1.4

 Lecture Outline for Section 1.5

 Lecture Outline for Section 1.6

 Lecture Outline for Section 1.7

 Lecture Outline for Section 1.8


 Lecture Outline for Section 1.9

 Lecture Outline for Section 1.10

 Lecture Outline for Section 1.11

 Lecture Outline for Section 1.12

 Lecture Videos Section 1.10: Lines

 Lecture Videos Section 1.10: Lines

 Lecture Videos Section 1.11: Solving Equations and Inequalities Graphically

**PowerPoint
notes and
videos
created by
the publisher**