Pre-Module

I recommend you complete the following steps before beginning module one:

Click on the Study Plan link.

Click on Ch. O: Orientation Questions for Students

Click on 0.1 Answering Exercises Orientation

Click on 0.1.1

Complete exercise 1 (Be sure to click on the Animation link when it tells you to in the directions)

Watch the following four tours in the animation:

Welcome

The Player Window

Entering Answers

Math Palette

Close the animation and return to finish completing exercise 1

Complete exercises 2- 6

Close the study plan and return to the Pre-Module menu

Click on the Mastery Test(s) link and complete the assignments:

Addition Facts

Subtraction Facts

Multiplication Facts

Division Facts

Operation Facts Evaluation

Module 1

If you would like to review many of the key concepts from module 1 before you take the module 1 pretest, I recommend you view the following videos:

1.3 Obj. B Subtract Whole Numbers (5:59)

1.6 Obj. B Perform Long Division (4:46)

While taking the pretest, be sure to:

Carefully read the directions. When working long division problems, the directions say to enter 0 for the remainder if there is no remainder. If you leave the remainder blank, you will miss the problem.

Module 2

If you would like to review many of the key concepts from module 2 before you take the module 2 pretest, I recommend you view the following videos:

2.1 Obj. D Find the Absolute Value of a Number (2:18)

2.1 Obj. E Find the Opposite of a Number (4:54)

2.5 Obj. A Simplify Expressions by Using the Order of Operations (9:26)

4.4 Obj. A Add or Subtract Like Fractions (10:31)

15.3 Obj. A Add or Subtract Like Radicals (6:42)

While taking the pretest, be sure to:

Watch the addition and division symbols

Keep track of the negative signs

Remember x is the same as 1x

Reduce all fractions to lowest terms

Module 3

If you would like to review many of the key concepts from module 3 before you take the module 3 pretest, I recommend you view the following videos:

4.2 Obj. B Write a Fraction in Simplest Form (10:00)

4.3 Obj. C Divide Fractions (7:23)

4.5 Obj. A Add or Subtract Unlike Fractions (11:52)

While taking the pretest, be sure to:

Watch the addition and division symbols

Simplify all answers

Keep track of the negative signs

Module 4

If you would like to review many of the key concepts from module 4 before you take the module 4 pretest, I recommend you view the following videos:

4.1 Obj. E Write Mixed Numbers as Improper Fractions (4:24)

4.1 Obj. F Write Improper Fractions as Mixed Numbers or Whole Numbers (3:31)

4.6 Obj. B Review the Order of Operations (4:20)

4.6 Obj. A Simplify Complex Fractions (8:09)

While taking the pretest, be sure to:

Watch the addition and division symbols

Simplify all answers

Keep track of the negative signs

Module 5 Part 1

If you would like to review many of the key concepts from module 5 before you take the module 5 part 1 pretest, I recommend you view the following videos:

5.1 Obj. C Write Decimals as Fractions (3:02)

5.2 Obj. A Add or Subtract Decimals (5:25)

5.3 Obj. A Multiply Decimals (5:25)

5.4 Obj. A Divide Decimals (11:57)

While taking the pretest, be sure to:

Watch the addition and division symbols

Simplify all answers

Keep track of the negative signs

Module 5 Part 2

If you would like to review many of the key concepts from module 5 before you take the module 5 part 2 pretest, I recommend you view the following videos:

5.2 Obj. D Simplify Expressions Containing Decimals (2:06)

6.3 Obj. B Solve Percent Problems (7:57)

6.6 Percent and Problem Solving: Sales Tax, Commission, and Discount (3:38)

6.5 Applications of Percent (the last 6:03 of the video) Click on Objective B when starting the video and you will begin at 5:47 into it.

While taking the pretest, be sure to:

Notice the calculator on the right side of the screen. It will save you time. Also, clear the calculator screen after each calculation.

Keep track of the negative signs

Module 6

If you would like to review many of the key concepts from module 6 before you take the module 6 pretest, I recommend you view the following videos:

3.3 Obj. B Solve Linear Equations Containing Parenthesis (6:45)

9.5 Obj. B Solve a Formula or Equation for One of Its Variables (7:21)

9.6 Obj. A Graph Inequalities on a Number Line (1:57)

9.6 Obj. D Use Both Properties to Solve Inequalities (4:29)

3.4 Obj. A Write Sentences as Equations (2:17)

3.4 Obj. B Use Problem-Solving Steps to Solve Problems (10:53)

9.4 Obj. C Solve Problems Involving Consecutive Integers (5:53)

While taking the pretest, be sure to:

Keep track of the negative signs

Remember the rule when multiplying or dividing an inequality by a negative number

Simplify all answers

Answer the question(s) asked in each of the story problems

Enter the smaller consecutive integer answer first then the next larger integer

Notice the calculator on the right side of the screen. It may save you time. Also, clear the calculator screen after each calculation.

Module 7

If you would like to review many of the key concepts from module 7 before you take the module 7 pretest, I recommend you first watch the Graphing Tool that is found in the Animation of Exercise 1 from Section 0.1. (Answering Exercises Orientation) in the Study Plan. When you have finished watching the animation, then complete Exercises 7 and 8 which are also found in section 0.1.

I also recommend you watch the following videos:

13.2 Obj. A Graph a Linear Equation by Finding and Plotting Ordered Pair Solutions (12:09)

13.3 Obj. C Identify and Graph Vertical and Horizontal Lines (5:39) **in study plan**

13.7 Obj. B Graph a Linear Inequality in Two Variables (9:39) **in study plan**

13.4 Obj. D Compare the Slopes of Parallel and Perpendicular Lines (5:29)

13.5 Obj. C Use the Point-Slope Form to Find an Equation of a Line Given it’s Slope and a Point of the Line (3:20)

13.5 Obj. D Use the Point-Slope Form to Find an Equation of a Line Given Two Points of the Line (7:22)

13.6 Obj. A Identify Relations, Domains, and Ranges (2:30)

13.6 Obj. B Identify Functions (5:49)

13.6 Obj. D Use Function Notation (**First 4:40)**

While taking the pretest, be sure to:

Keep track of the negative signs

Simplify all answers

Answer the question(s) asked in each problem

Notice the calculator on the right side of the screen. It may save you time. Also, clear the calculator screen after each calculation.

Module 8 Part 1

If you would like to review many of the key concepts from module 8 before you take the module 8 part 1 pretest, I recommend you view the following videos:

14.1 Obj. B Solve a System of Linear Equations by Graphing (17:35)

14.2 Obj. A Use the Substitution Method to Solve a System of Linear

Equations (17:31)

14.3 Obj. A Use the Addition Method to Solve a System of Linear

Equations (19:06)

While taking the pretest, be sure to:

Include parenthesis when inputting ordered pair answers

Remember the Addition Method is the same as the Elimination Method

Simplify all answers

Keep track of the negative signs

Notice the calculator on the right side of the screen. It may save you time. Also, clear the calculator screen after each calculation.

Module 8 Part 2

If you would like to review many of the key concepts from module 8 before you take the module 8 part 2 pretest, I recommend you view the following videos:

14.4 Obj. A Use a System of Equations to Solve Problems (18:45)

\*Make sure you understand how to work all of the problems in the video\*

13.7Obj. B Graph a Linear Inequality in Two Variables (9:39)

\*This is a review of a video you watched in module 7. Be sure to ask your instructor how to solve systems of linear inequalities. You should also work some of these problems in the study plan so you know how to enter the answers correctly on the computer\*

While taking the pretest, be sure to:

Answer the question(s) asked in each of the story problems

Keep track of the negative signs

Notice the calculator on the right side of the screen. It may save you time. Also, clear the calculator screen after each calculation.

Module 9

If you would like to review many of the key concepts from module 9 before you take the module 9 pretest, I recommend you view the following videos:

10.2 Obj. B Use the Rules and Definitions for Exponents to Simplify Exponential Expressions (5:14)

10.4 Obj. B Subtract Polynomials (1:46)

10.5 Obj. C Multiply Two Polynomials (7:01)

10.7 Obj. A Divide a Polynomial by a Monomial (6:23)

10.7 Obj. B Use Long Division to Divide a Polynomial by a Polynomial Other than a Monomial (11:56)

While taking the pretest, be sure to:

Use Positive exponents in your answers

Keep track of the negative signs

Notice the calculator on the right side of the screen. It may save you time. Also, clear the calculator screen after each calculation.

Module 10

If you would like to review many of the key concepts from module 10 before you take the module 10 pretest, I recommend you view the following videos:

11.2 Obj. B Factor Out the Greatest Common Factor and then Factor a Trinomial of the form x2 + bx + c (5:10)

11.4 Obj. A Use the Grouping Method to Factor Trinomials of the form ax2 + bx + c (12:17)

11.5 Obj. B Factor Perfect Square Trinomials **(Watch Twice)** (3:40)

11.5 Obj. C Factor the Difference of Two Squares (11:05)

11.6 Obj. A Solve Quadratic Equations by Factoring (Ask Your Instructor if You Have Any Questions about the Factoring) (14:50)

11.7 Obj. A Solve Problems That Can Be Modeled by Quadratic Equations (21:27)

While taking the pretest, be sure to:

Factor out the greatest common factor (GCF) first if possible

Factor completely

Solve all quadratic and degree greater than 2 equations by using the zero factor theorem

Keep track of the negative signs

Notice the calculator on the right side of the screen. It may save you time. Also, clear the calculator screen after each calculation.

Module 11 Part 1

If you would like to review many of the key concepts from module 11 before you take the module 11 part 1 pretest, I recommend you view the following videos:

12.1 Obj. B Identify Values for Which a Rational Expression is Undefined (3:48)

12.2 Obj. B Divide Rational Expressions (4:44)

12.3 Obj. A Add and Subtract Rational Expressions with **Common**

Denominators (6:27)

12.4 Obj. A Add and Subtract Rational Expressions with **Different**

Denominators (22:25)

While taking the pretest, be sure to:

Watch the addition and division symbols

Simplify all answers

Keep track of the negative signs

Notice the calculator on the right side of the screen. It may save you time. Also, clear the calculator screen after each calculation.

Module 11 Part 2

If you would like to review many of the key concepts from module 11 before you take the module 11 part 2 pretest, I recommend you view the following videos:

12.7 Obj. A Simplify Complex Fractions using Method 1 (11:54)

12.7 Obj. B Simplify Complex Fractions Using Method 2 (7:47)

12.5 Obj. A Solve Equations Containing Rational Expressions (22:15)

12.6 Obj. B Solve Problems about Work (4:18)

12.6 Obj. C Solve Problems about Distance (4:43)

While taking the pretest, be sure to:

Check solutions in the original equation (including the denominators)

Simplify all answers

Keep track of the negative signs

Notice the calculator on the right side of the screen. It may save you time. Also, clear the calculator screen after each calculation.

Module 12

If you would like to review many of the key concepts from module 12 before you take the module 12 pretest, I recommend you view the following videos:

15.1 Obj. A Find Square Roots (8:04)

15.3 Obj. B Simplify Radical Expression, and Then Add or Subtract Any Like Radicals (8:11)

15.4 Obj. A Multiply Radicals (9:34)

15.4 Obj. B Divide Radicals (5:53)

15.4 Obj. C Rationalize Denominators (7:01)

15.4 Obj. D Rationalize Using Conjugates (3:52)

15.5 Obj. A Solve Radical Equations by Using the Squaring Property of Equality Once (17:07)

15.6 Obj. B Solve Problems Using Formulas Containing Radicals (5:20)

15.1 Obj. C Find nth Roots (3:08)

\*Be sure to ask your instructor how to write a radical in exponential form and also how to write from exponential form to radical form and then evaluate.\*

While taking the pretest, be sure to:

Keep track of the negative signs

Notice whether a term is radical or rational

Use the distributive property, if required, at the end of the problem

Notice the calculator on the right side of the screen. It may save you time. Also, clear the calculator screen after each calculation.