

Name: _____ Period: ____ Test Corrections: TEKS Check

DUE 11/4 4:15PM

NO EXCEPTIONS

Visit <http://goo.gl/CGHG1R> or scan the QR code. Click on the correct test, then watch the problem-solving videos and take notes. After you have completed this step, you *must* attend a tutorial and “retest” with similar problems. You may earn up to half points back on your original test grade.



Original Test Grade: _____

Teacher Initials: _____

Review Problem	Steps/Plan	Re-test problem to complete
<p>Example. Richardson Heights Park wants to install a community garden. The garden will be rectangular. The city will only pay for 220 feet of fencing. The length of the garden will be 10 less than triple the width. What is the length of the garden?</p>	<ol style="list-style-type: none"> 1. Highlight/underline important information. 2. Draw and label a picture. <ol style="list-style-type: none"> a. Write expressions for missing measurements b. Less than – turn around word! 3. Perimeter (fencing) – add up all the sides <ol style="list-style-type: none"> a. Rectangle: $P = 2L + 2W$ 4. Plug in what you know into the equation. 5. Solve for missing variable. 6. Re-read the question – what are they asking you to find? 	<ol style="list-style-type: none"> 1. An isosceles triangle has two sides of equal length, called legs, and a third side of another length, called the base. The perimeter of a particular isosceles triangle is 95 inches. If each leg is 5 more than twice the length of the base, find the length of one leg.
<p>Example: Which expression is equivalent to $8w - 4(w - 6)$</p> <p>A. $4w - 6$ B. $4w - 24$ C. $4w + 24$ D. $12w - 24$</p>	<ol style="list-style-type: none"> 1. Get rid of any parentheses by using the distributive property 2. Combine any like terms 3. Write the simplified expression as your answer 	<ol style="list-style-type: none"> 2. Simplify the algebraic expression: $3(x - 1) - 4(2x + 2)$ <p>A. $11x - 7$ B. $-5x - 11$ C. $5x + 1$ D. $-x - 11$</p>

<p>Example: James is beginning a cross fit class that lasts for 10 weeks. He hopes to increase the amount of burpees he can do by 30% at the end of the 10 weeks. If x represents the number of burpees he can do at the beginning of the cross fit class, which expression best represents the number of burpees he wants to be able to do at the end of the 10 weeks?</p> <p>A. $10x + 0.30x$ B. $x + 0.30x$ C. $10(x + 0.30x)$ D. $x + 30x$</p>	<ol style="list-style-type: none"> 1. Highlight or underline important information. 2. If a number is used at the beginning and end of the question, check for importance 3. Change percents to decimals. 4. Decide if the problem is an increase or decrease question. 5. Write the expression for the problem. 6. Find the answer choice that best matches your expression. 	<p>3. For the next 5 weeks until Thanksgiving, airlines are going to increase their tickets by 45%. The Smith family purchased their tickets last week for x amount of dollars. Write an expression for the ticket amount that the Smith's would have had to pay if they had waited to purchase their tickets until next week.</p>
<p>Example Draw a number line that accurately shows the solution of the inequality $2(4 - x) \leq -8$.</p> 	<ol style="list-style-type: none"> 1. Distribute the number and sign in front of the parenthesis. 2. Identify any like terms. 3. Combine like terms. 4. Get the variable by itself on one side of the inequality using opposite operations (Add \leftrightarrow subtract and multiply \leftrightarrow divide) <ul style="list-style-type: none"> - Draw a line down the inequality to help you remember that what you do to one side you have to do to the other. - Add/subtract first - Multiply/divide last - Flip the inequality when multiplying or dividing by a negative # 5. Graph your solution on a number line. <ul style="list-style-type: none"> - Start with plotting the constant (number) with Open circle for \leq and \geq or Closed circle for $<$ and $>$ - Shade to the left or right depending on the inequality. <p>Check your solution. Substitute the variable in your inequality with a number that falls in the shaded area of your number line and make sure you get a true statement.</p>	<p>4. Draw a number line that accurately shows the solution of the inequality $3(4 - x) > -9$.</p> 

Example.

Which parent function is represented by the following ordered pairs of the function f ?

$\{(1, 2), (-2, 7), (4, 11), (3, 8), (-4, 13)\}$

- A. $y = x$
- B. $y = 2^x$
- C. $y = x^2$
- D. $y = \sqrt{x}$

1. Recall what parent functions you have learned and the corresponding equation.
 - a. Linear Parent Function $\rightarrow y = x$
 - b. Quadratic Parent Function $\rightarrow y = x^2$
2. Eliminate answer choices that do not match the parent functions you have learned.
3. Graph the given points on a coordinate plane.
4. Notice the shape that your graphed points make.
5. Choose the parent function that makes the same shape as your graphed points.
 - a. Line \rightarrow Linear Parent Function $\rightarrow y = x$
 - b. U-shape \rightarrow Quadratic Parent Function $\rightarrow y = x^2$

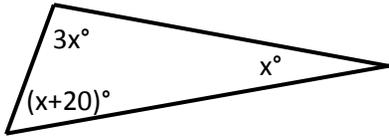
5. Which parent function is represented by the following ordered pairs as the function f ?

$\{(2, 5), (-3, 15), (0, -3), (-1, -1), (4, 29)\}$

- A. $y = x$
- B. $y = 2^x$
- C. $y = x^2$
- D. $y = \sqrt{x}$

Example:

Find the measure of the largest angle



1. Add up the angles by combining like terms.
2. Set equal to 180.
3. Solve for x .
4. Use x to find the measure of each angle.
5. Which one is the largest and what is that measurement?

6. Find the measure of the largest angle

