

Name:

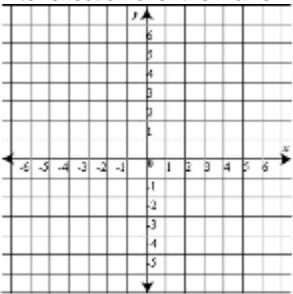
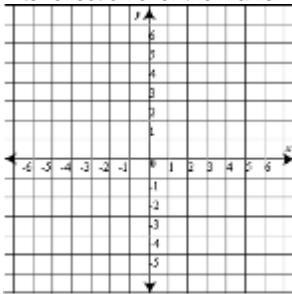
6th Grade Math Homework

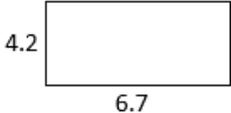
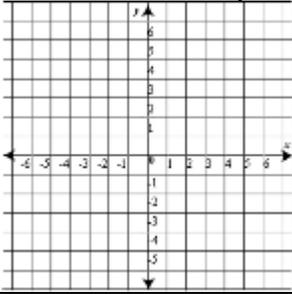
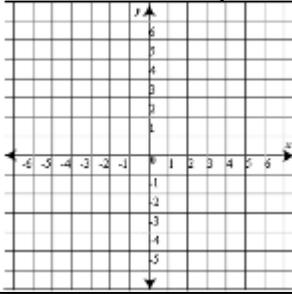
February 15 - 19

Please use your math notebook and/or our math website for help/videos to help with concepts on this homework.

6th Grade Math website: sms6math.weebly.com

SHOW ALL WORK IN THE WORK COLUMN!

Monday	Monday's Work	Tuesday	Tuesday's Work																				
<p>Angelina has 5 cakes. She wants to cut them into $\frac{2}{5}$ pieces. How many pieces will she be able to cut?</p>		<p>On every three hamburgers that McDonalds makes, they use 9 pickles. Write the ratio in simplest form. How many pickles would they use on 99 burgers?</p>																					
<p>What is the LCM of 11 and 44?</p>		<p>Use the distributive property to create an equivalent expression to $40 + 4x$.</p>																					
<p>Martha's mom is making party bags for all of her party guests. She has 24 green gumballs, and 33 blue gumballs. If she wants to split them evenly between all the bags, without any leftovers, how many bags can she make?</p>		<p>Evaluate the expression.</p> $23.6 - 2 \times 3 \div 2$																					
<p>Find the missing number of each unit rate.</p> $\frac{8}{24} = \frac{2}{?} \quad \frac{20}{40} = \frac{4}{?}$		<p>A cartoon lasts 18 minutes. How many seconds is the cartoon?</p>																					
<p>What percent is 25 of 100?</p>		<p>On a test with 25 problems, Grace got 88% correct. How many problems did Grace get correct?</p>																					
<p>Simplify the expression. $6x + 12y + 5 + 2y + 8$</p> <p>What is the coefficient of y?</p> <p>What is the constant?</p>		<p>What is the value of $4x^3 + 4x$ when $x = 4$?</p>																					
<p>Graph the ordered pair $(0, -4)$ and its reflection over the x-axis.</p> 		<p>Graph the ordered pair $(2, -3)$ and its reflection over the x-axis.</p> 																					
<p>Find the rule.</p> <table border="1" data-bbox="126 1749 456 1913"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>3</td> </tr> <tr> <td>2</td> <td>4</td> </tr> <tr> <td>3</td> <td>5</td> </tr> <tr> <td>4</td> <td>6</td> </tr> </tbody> </table>	x	y	1	3	2	4	3	5	4	6		<p>Find the rule.</p> <table border="1" data-bbox="837 1749 1167 1913"> <thead> <tr> <th>x</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>6</td> </tr> <tr> <td>3</td> <td>8</td> </tr> <tr> <td>6</td> <td>11</td> </tr> <tr> <td>10</td> <td>15</td> </tr> </tbody> </table>	x	Y	1	6	3	8	6	11	10	15	
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Wednesday	Wednesday's Work	Thursday	Thursday's Work																				
A computer uses 239 watts per hour. How many watts would it use if it is on for 8 days?		A box of 12 popsicles costs \$4.44. What is the popsicles' unit rate?																					
What is the GCF of 14 and 42?		Write an expression that represents the sum of 7 and x.																					
Joe and Maggie are working at McDonalds. Joe makes \$8.50 per hour, while Maggie makes \$9.00 per hour. How much will they both make altogether if they work x number of hours?		Evaluate the expression. $64.3 - 3 \times 2^3 \div 2$																					
Complete the table. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Adults</th> <th>Children</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>15</td> </tr> <tr> <td>2</td> <td>30</td> </tr> <tr> <td>3</td> <td>?</td> </tr> <tr> <td>4</td> <td>?</td> </tr> </tbody> </table>	Adults	Children	1	15	2	30	3	?	4	?		How many millimeters are there in 3.5 meters?											
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What is 2% of 52?		A recipe takes 90 minutes to make. 25% of the time is spent preparing the ingredients. How many minutes are spent preparing?																					
Find the Perimeter of the rectangle. 		Are the expressions below equivalent? $3(4x + 8)$ $12x + 24$																					
Graph the ordered pair (3, 2) and its reflection over the y-axis. 		Graph the ordered pair (-3, -2) and its reflection over the y-axis. 																					
Find the rule. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>7</td> </tr> <tr> <td>4</td> <td>9</td> </tr> <tr> <td>6</td> <td>13</td> </tr> <tr> <td>8</td> <td>17</td> </tr> </tbody> </table>	x	y	3	7	4	9	6	13	8	17		Find the rule. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>6</td> </tr> <tr> <td>4</td> <td>12</td> </tr> <tr> <td>5</td> <td>15</td> </tr> <tr> <td>7</td> <td>21</td> </tr> </tbody> </table>	x	y	2	6	4	12	5	15	7	21	
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*****Do not forget to complete your extended response on the following page.*****

The following extended response is part of your weekly homework. Please answer the questions completely on the grid provided.

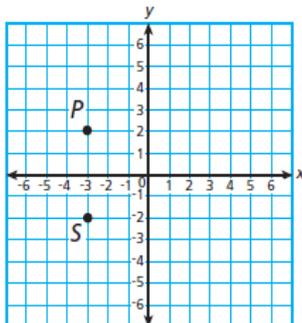
Things to remember:

- Did I label each part of the question?
- Did I restate the question?
- Did I include units of needed?
- Did I show all of my work?
- If the question asked me to explain, did I FULLY explain my answer?
- Did I use the RASE method to complete this Extended Response?
 - Restate the question. (Use a complete sentence.)
 - Answer all parts of the question.
 - Show All Work.
 - Explain. (if asked to do so)

This week's extended response question. (You can use your math notebook if needed.)

3

A coordinate plane with points P and S is shown below.



Part A Plot point Q so that it is a reflection of point P across the y -axis. What are the coordinates of point Q ? Explain your thinking.

Part B The coordinates of point S are $(-3, -2)$. Explain how point S is related to point P .

Part C Point R is plotted on the coordinate graph so that line segments SR and PQ are a reflection of each other. What would have to be the coordinates of point R ? Explain your thinking.

Mathematics

Do not write outside this box.

