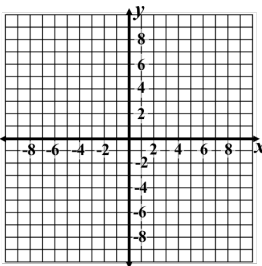
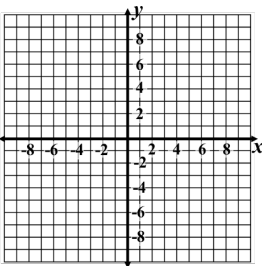
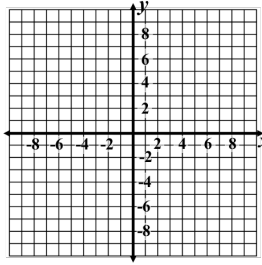
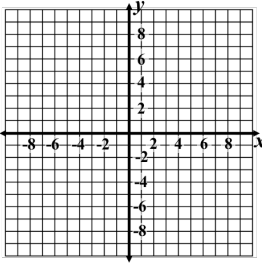
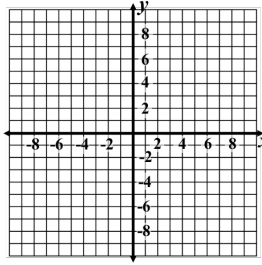


Weeks 1-7 Review

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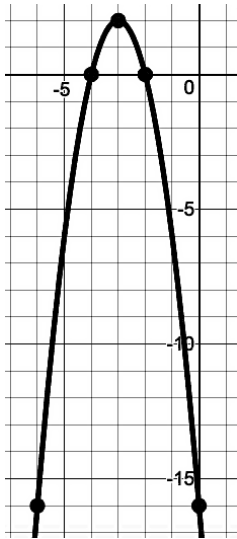
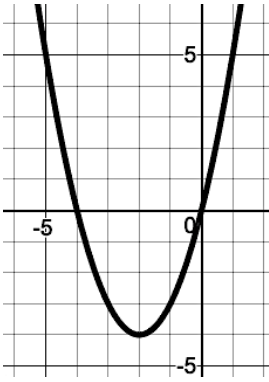
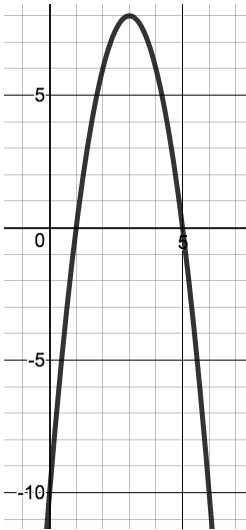
Quiz 1 Review

<p>1. If $x = -5$, what is y? $r(x) = -5(x)^2 + 3$</p>	<p>2. Determine the output values. $g(x) = 7x + 4$</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">x</td> <td style="padding: 2px 5px;">-3</td> <td style="padding: 2px 5px;">0</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">y</td> <td colspan="2"></td> </tr> </table>	x	-3	0	y			<p>3. Determine the output values. $h(x) = 2(x - 4)(x + 2)$</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">x</td> <td style="padding: 2px 5px;">-3</td> <td style="padding: 2px 5px;">4</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">y</td> <td colspan="2"></td> </tr> </table>	x	-3	4	y																
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y																												
x	-3	4																										
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<p>4. Determine the output values. $k(x) = 2(x - 3)^2 + 8$</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">x</td> <td style="padding: 2px 5px;">-5</td> <td style="padding: 2px 5px;">0</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">y</td> <td colspan="2"></td> </tr> </table>	x	-5	0	y			<p>5. Graph the relation as a continuous function.</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">x</td> <td style="padding: 2px 5px;">y</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">-2</td> <td style="padding: 2px 5px;">6</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">-1</td> <td style="padding: 2px 5px;">0</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">0</td> <td style="padding: 2px 5px;">-2</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">1</td> <td style="padding: 2px 5px;">0</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">2</td> <td style="padding: 2px 5px;">6</td> </tr> </table> 	x	y	-2	6	-1	0	0	-2	1	0	2	6	<p>6. Graph the equation using the x-values provided below. $m(x) = 2x + 6$</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">x</td> <td style="padding: 2px 5px;">y</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">-5</td> <td style="padding: 2px 5px;"></td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">0</td> <td style="padding: 2px 5px;"></td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">1</td> <td style="padding: 2px 5px;"></td> </tr> </table> 	x	y	-5		0		1	
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<p>7. Graph the equation using the middle x provided below. $n(x) = x^2 - 4x - 5$</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">x</td> <td style="padding: 2px 5px;">y</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">2</td> <td style="padding: 2px 5px;"></td> </tr> </table> 	x	y	2		<p>8. Graph. $f(x) = -2x - 5, -4 < x < 2$</p> 	<p>9. Graph. $g(x) = \begin{cases} x + 5, & x \leq -1 \\ -2, & -1 < x \leq 3 \\ -4x + 20, & x > 3 \end{cases}$</p> 																						
x	y																											
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<p>8. For the domain $-5 < x \leq 7$, will the lower limit (at $x = -5$) be graphed as an open or closed point? How do you know?</p>																												

Quiz 2 Review

<p>11. Isolate and evaluate x. $14 = -3x + 5$</p>	<p>12. Isolate and evaluate x. $0 = 4(x + 6)^2 - 100$</p>	<p>13. Write the inverse equation. $y = 5x - 30$</p>												
<p>14. Write the inverse equation. $y = 5(x - 3)^2 - 180$</p>	<p>15. Determine the axis of symmetry (the middle x). $f(x) = -4x^2 + 20x - 3$</p>	<p>16. Determine the inverse of each point in the xy table.</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">x</td> <td style="padding: 2px 5px;">y</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">-2</td> <td style="padding: 2px 5px;">6</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">-1</td> <td style="padding: 2px 5px;">0</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">0</td> <td style="padding: 2px 5px;">-2</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">1</td> <td style="padding: 2px 5px;">0</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px 5px;">2</td> <td style="padding: 2px 5px;">6</td> </tr> </table>	x	y	-2	6	-1	0	0	-2	1	0	2	6
x	y													
-2	6													
-1	0													
0	-2													
1	0													
2	6													

Quiz 3 Review

<p>17. Write the given quadratic equation in vertex form.</p> $a = -5 \quad h = -1 \quad r_1 = 3$ $b = -10 \quad k = 80 \quad r_2 = -5$ $c = 75$	<p>18. Write the given quadratic equation in factored form.</p> $a = -5 \quad h = -1 \quad r_1 = 3$ $b = -10 \quad k = 80 \quad r_2 = -5$ $c = 75$	<p>19. Determine the value of b, using the given information.</p> $a = 7 \quad h = 3 \quad r_1 = 2$ $b = ? \quad k = -7 \quad r_2 = 4$ $c = 56$
<p>20. Write the quadratic equation in standard form.</p> 	<p>21. Write the quadratic equation in factored form.</p> 	<p>22. Write the quadratic equation in vertex form.</p> 

Example Quiz 4

The first 5 questions will be basic skills: Add, Subtract, Multiply, Divide, Square

The next 4 questions will be review questions. Anything from the above review is fair game (as is anything else from this year).

<p>23. Simplify. $(m^{-4})^{\frac{1}{2}}$</p>	<p>24.</p> <p>a. If $x^3 = 216$, then $x = 216^?$</p> <p>b. What value makes $x^3 = 216$?</p>
<p>25. Multiply. $(x - 6)(x + 8)$</p>	<p>26. Multiply. $(3x + 7)(x - 9)$</p>
<p>27. Multiply. $(x + 8)(x - 8)$</p>	<p>28. Expand vertex form to convert to standard form.</p> $2(x + 7)^2 + 5$