

Name:

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HOMEWORK 7.6

Secondary Math II

Turned in On Time (4 pts.) <input style="width: 40px; height: 30px; border: 1px solid black;" type="checkbox"/>	0A.(2 pt.) For the function $f(x) = x^2 + 4$ find $3f(6)$
	0B.(2 pt.) For the function $g(x) = -5x + 1$ and $h(x) = -x^2 + 4$, find $g(6) * h(2)$.

Review

1.(2 pt.) Factor $2x^2 + 5x + 2$	2. (2 pt.) Factor $3x^2 - 6x + 3$	3. (2 pt.) Factor $x^2 - x - 6$
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Classroom Exercise #4 (3 pts.) <input style="width: 40px; height: 30px; border: 1px solid black;" type="checkbox"/>	4A. (1 pt.) Fill in the t-chart for the inverse function for the function $g(x)$ <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><th>x</th><th>$g(x)$</th></tr> <tr><td>-5</td><td>25</td></tr> <tr><td>-3</td><td>9</td></tr> <tr><td>1</td><td>1</td></tr> <tr><td>3</td><td>-3</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><th>x</th><th>$g^{-1}(x)$</th></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	x	$g(x)$	-5	25	-3	9	1	1	3	-3	x	$g^{-1}(x)$									4B. (1 pt.) Fill in the t-chart for the inverse function for the function $h(x)$ <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><th>x</th><th>$h(x)$</th></tr> <tr><td>2</td><td>-3</td></tr> <tr><td>4</td><td>-4</td></tr> <tr><td>10</td><td>-7</td></tr> <tr><td>12</td><td>-8</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><th>x</th><th>$h^{-1}(x)$</th></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	x	$h(x)$	2	-3	4	-4	10	-7	12	-8	x	$h^{-1}(x)$									4C. (1 pt.) Fill in the t-chart for the inverse function for the function $p(x)$ <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><th>x</th><th>$p(x)$</th></tr> <tr><td>-4</td><td>17</td></tr> <tr><td>-3</td><td>-10</td></tr> <tr><td>0</td><td>5</td></tr> <tr><td>1</td><td>6</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><th>x</th><th>$p^{-1}(x)$</th></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	x	$p(x)$	-4	17	-3	-10	0	5	1	6	x	$p^{-1}(x)$								
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Classroom Exercise #5 (3 pts.) <input style="width: 40px; height: 30px; border: 1px solid black;" type="checkbox"/>	5A. (1pt.) Write the inverse function for $f(x)$ $f(x) = 2x + 5$	5B. (1pt.) Write the inverse function for $f(x)$ given the domain $x \geq 0$ $f(x) = x^2 - 16$	5C. (1pt.) Write the inverse function for $f(x)$ given the domain $x \leq 0$ $f(x) = (x + 2)^2 + 4$
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6. (1 pt.) Write the inverse function for $f(x)$
 $f(x) = x + 3$

7. (1 pt.) Write the inverse function for $f(x)$
 $f(x) = -4x$

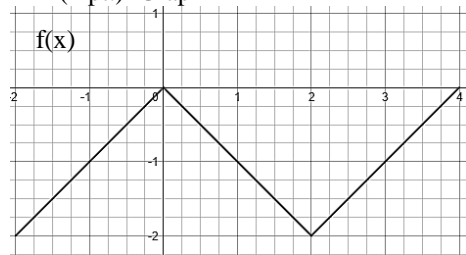
8. (1 pt.) Write the inverse function for $f(x)$
 $f(x) = -4x + 5$

9. (2 pt.) Write the inverse function for $f(x)$ given the domain $x \geq 0$
 $f(x) = x^2 + 14$

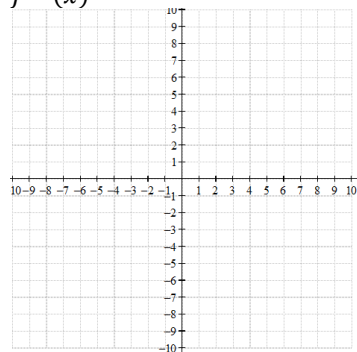
10. (2 pt.) Write the inverse function for $f(x)$ given the domain $x \leq 0$
 $f(x) = (x + 2)^2$

11. (2 pt.) Write the inverse function for $f(x)$ given the domain $x \geq 0$
 $f(x) = (x - 5)^2 + 10$

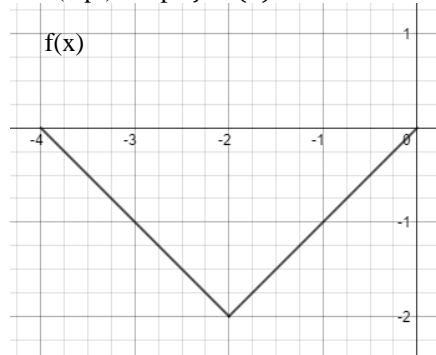
12. (1 pt.) Graph



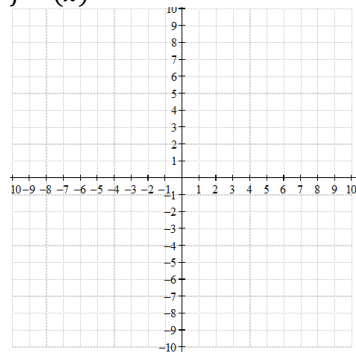
$f^{-1}(x)$



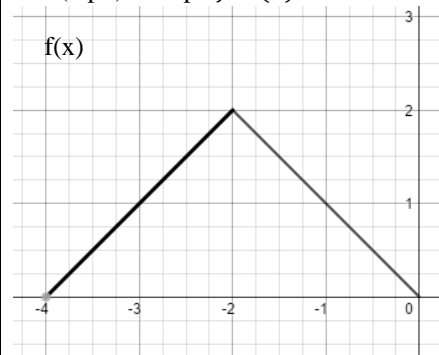
13. (1 pt.) Graph $f^{-1}(x)$



$f^{-1}(x)$



14. (1 pt.) Graph $f^{-1}(x)$



$f^{-1}(x)$

