

Pre-Calculus A
Chapter 2 Content Quiz 5 Practice
Non-Calculator

Name _____

1. Write the function whose graph is the graph of $y = \sqrt{x}$ but is shifted left 2 units and up 3 units.

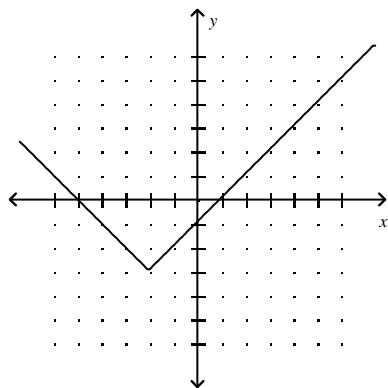
2. Write the function whose graph is the graph of $y = x^3$ but is shifted left 2 units and is reflected about the x-axis.

3. Write the function whose graph is the graph of $y = x^2$ but is shifted right 2 units, shifted down 7 units, and is reflected on the x-axis.

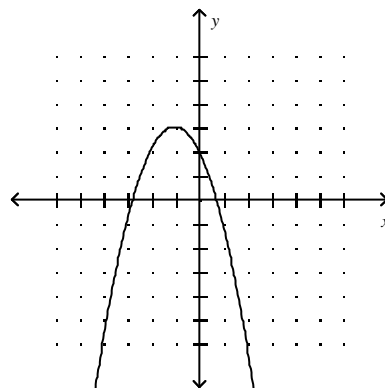
4. Write the function whose graph is the graph of $y = |x|$ but is shifted left 5 units.

Write the equation that represents each graph.

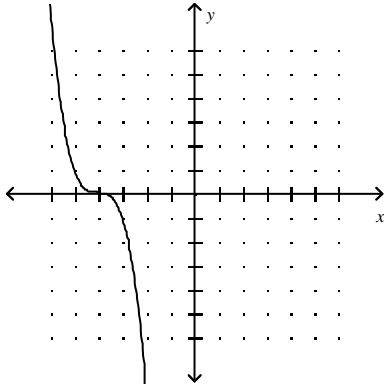
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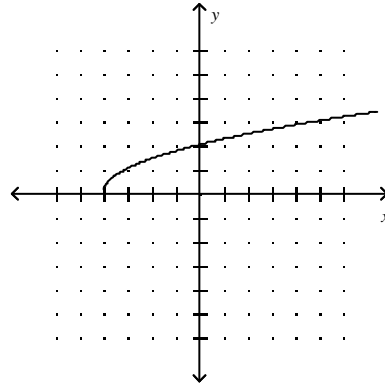
6.



7.



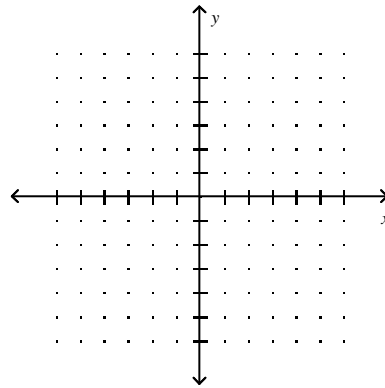
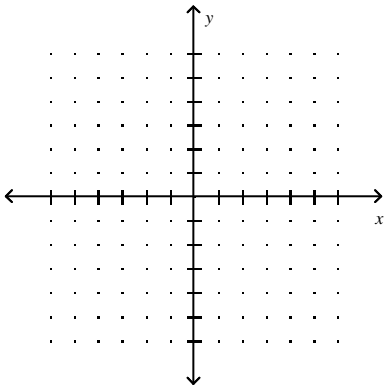
8.



Sketch the graph of the given equation on #9 – 12.

9. $g(x) = -(x - 2)^3 + 1$

10. $g(x) = \sqrt{-x - 1} + 2$



11. $g(x) = -2|x + 4| + 1$

12. $g(x) = \frac{1}{3}x^2$

