

For each of the problems below, use the clues to write a possible equation for the mystery function.

4. My parent graph is the square root function. I have been shrunk by a factor of 6. I have been shifted up 3 units. What is my equation?

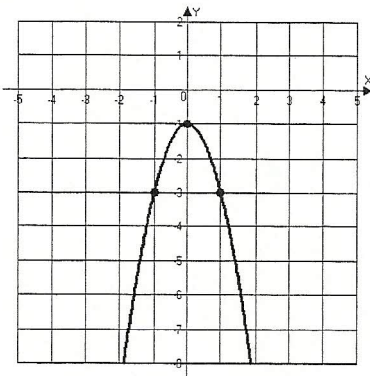
5. My parent graph is the absolute value function. I have been reflected across the x-axis. I have been stretched by a factor of 2. What is my equation?

6. My parent graph is the quadratic function. I have been reflected across the x-axis. My vertex has been moved 2 spaces upward. What is my equation?

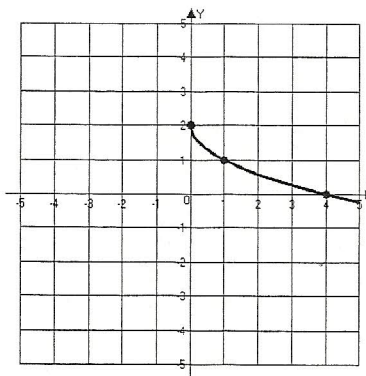
7. My parent graph is cubic. I have been moved 1 space down. What is my equation?

Based on your knowledge of graphing transformations, write a possible equation for the graph shown.

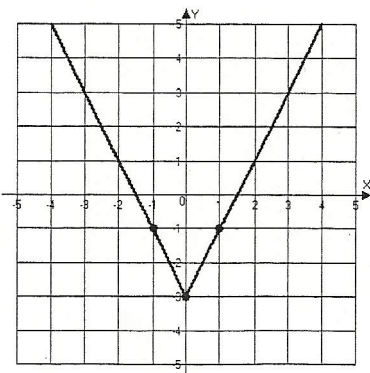
8.



9.



10.



11.

