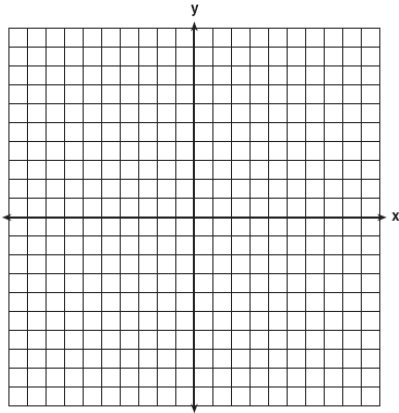


Name:

Date:

Period:

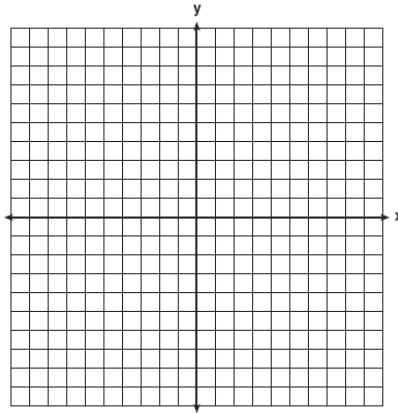
1. Graph the following equation:
 $y = 2|x| - 4$



D:

R:
*Set Notation

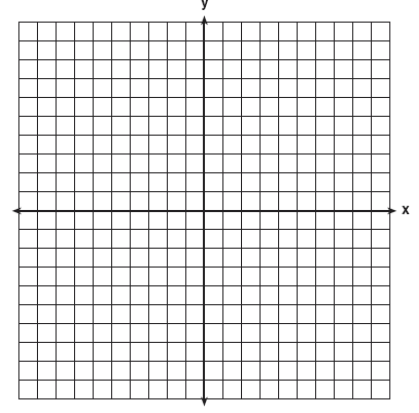
2. Graph the following equation:
 $y = -3|x - 3| + 5$



D:

R:
*Set Notation

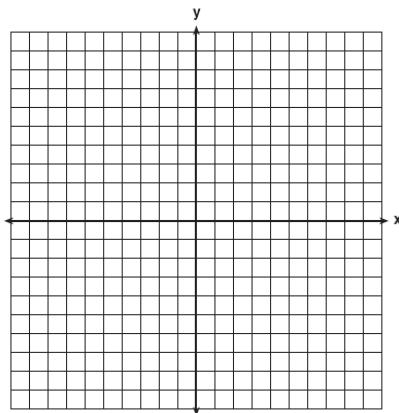
3. Graph the following equation:
 $y = 1.5|x - 2| - 3$



D:

R:
*Set Notation

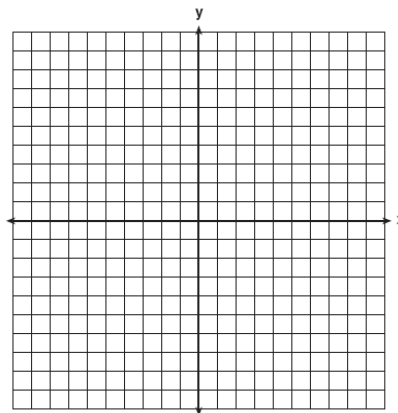
4. Graph the following equation:
 $y = \frac{3}{4}|x + 2|$



D:

R:
*Set Notation

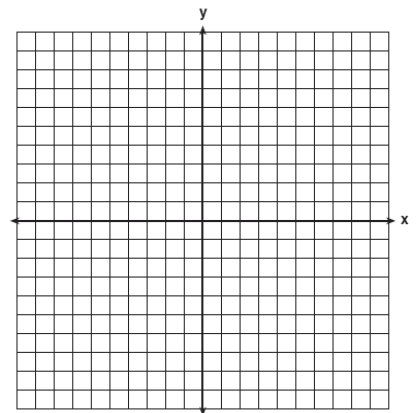
5. Graph the following equation:
 $y = -\frac{1}{2}|x + 1|$



D:

R:
*Set Notation

6. Graph the following equation:
 $y = \frac{5}{3}|x + 3| - 5$



D:

R:
*Set Notation

Use Interval Notation to write the Domain and Range of each function.

7. $g(x) = |x| - 7$

D: _____

R: _____

8. $g(x) = |x - 2|$

D: _____

R: _____

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

D: _____

R: _____

10. $g(x) = |x + 2| + 2$

D: _____

R: _____

12. $g(x) = |x| + 1$

D: _____

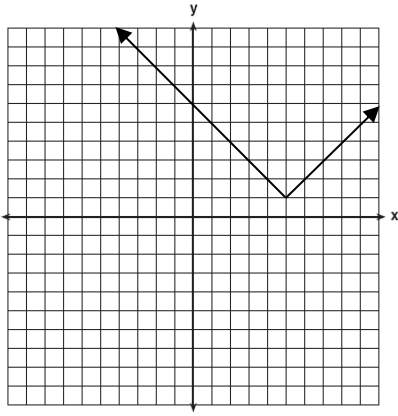
R: _____

13. $g(x) = |x - 9| + 6$

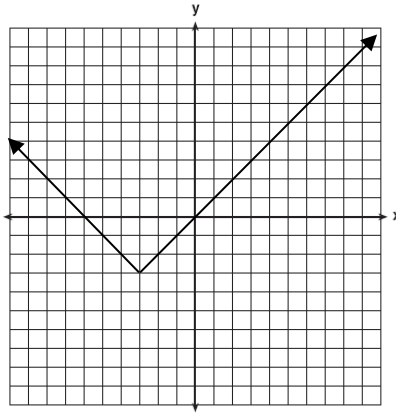
D: _____

R: _____

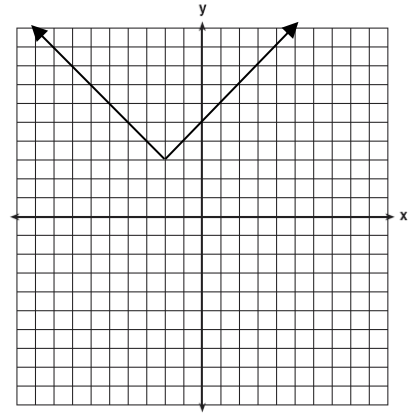
14. Write the equation of the graph:



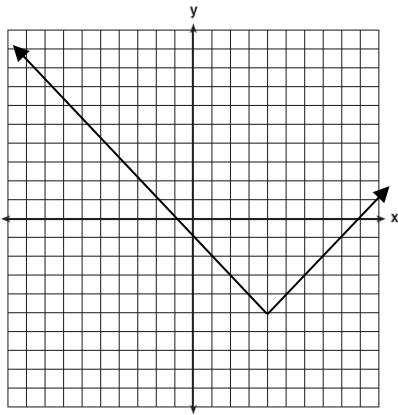
15. Write the equation of the graph:



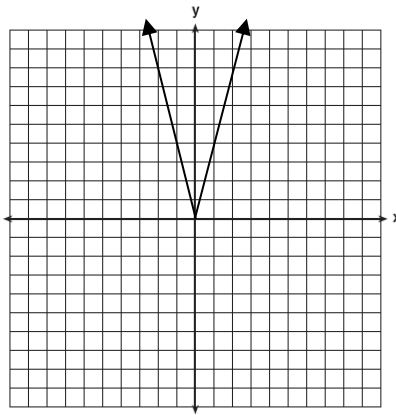
16. Write the equation of the graph:



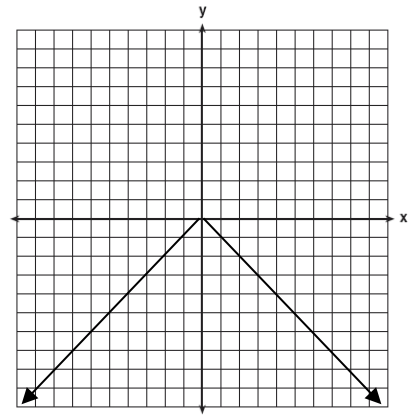
17. Write the equation of the graph:



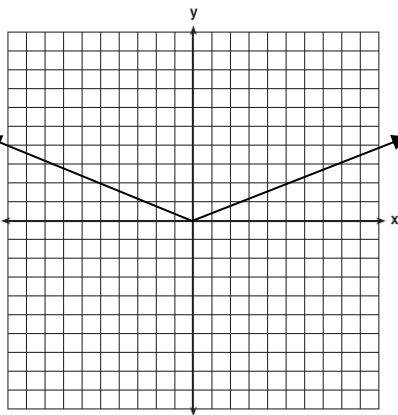
18. Write the equation of the graph:



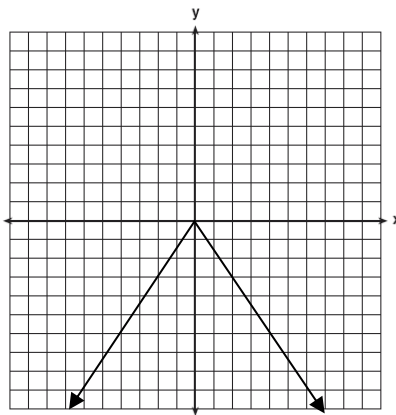
19. Write the equation of the graph:



20. Write the equation of the graph:



21. Write the equation of the graph:



22. A student says that the graph of $g(x) = |x + 3| - 1$ is the graph of the parent function, $f(x) = |x|$, translated 3 units to the right and 1 unit down. Explain what is incorrect about this statement.