

Team: _____
 Algebra 1

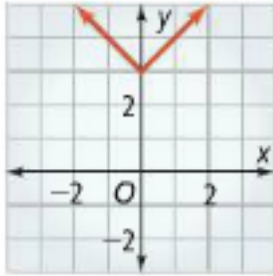
Date: _____
 Band: _____

Graphing Absolute Value Functions Homework

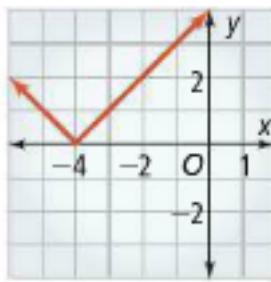
LT#11: Graph an absolute value function.
LT#12: Translate the graph of an absolute value function.

Describe how each graph is related to $y = |x|$.

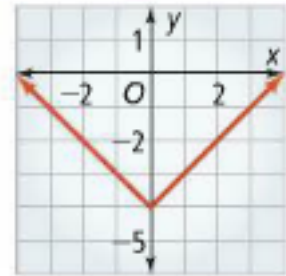
1.



2.

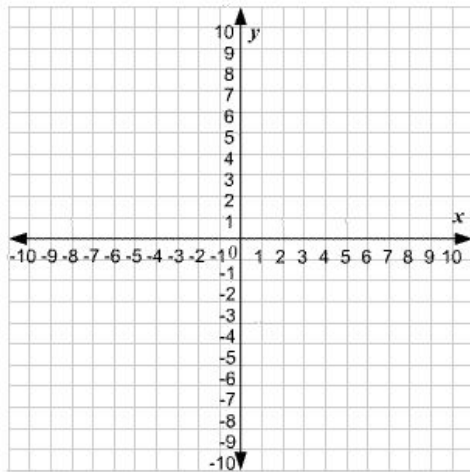


3.

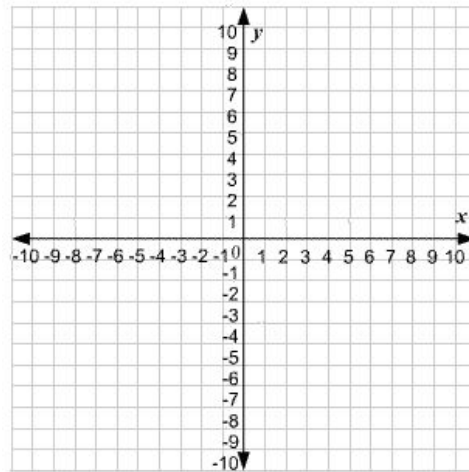


Graph each function by translating $y = |x|$.

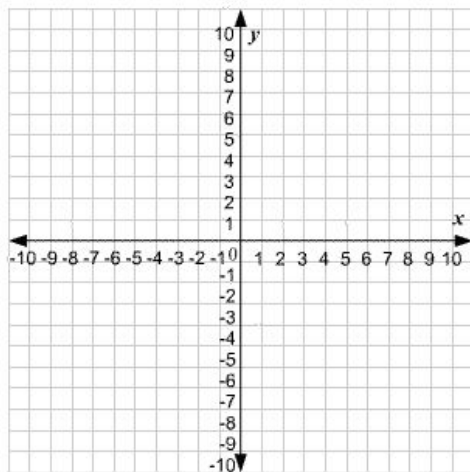
5. $y = |x| - 3$



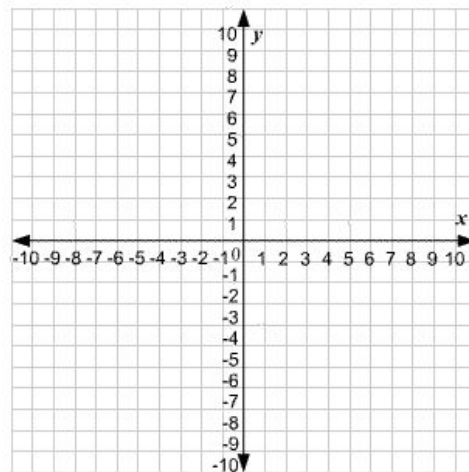
6. $y = |x| + 7$



7. $y = |x| - 2.5$

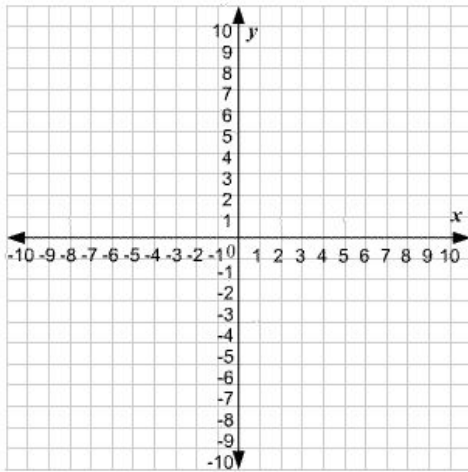


8. $y = |x| + 6$

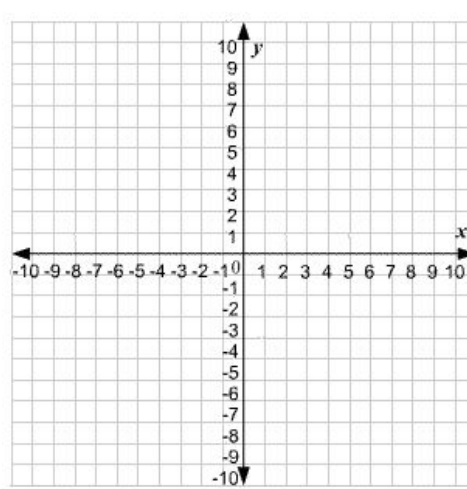


4-6: Graphing Absolute Value Functions HOMEWORK

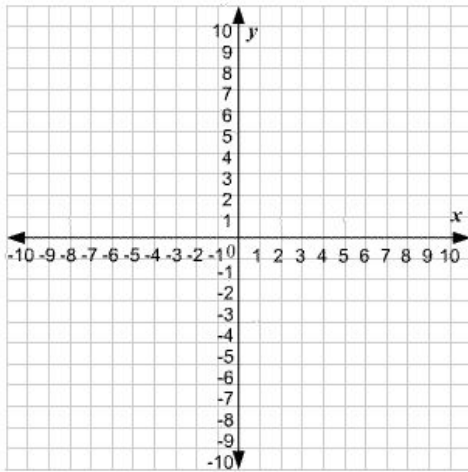
9. $y = |x - 3|$



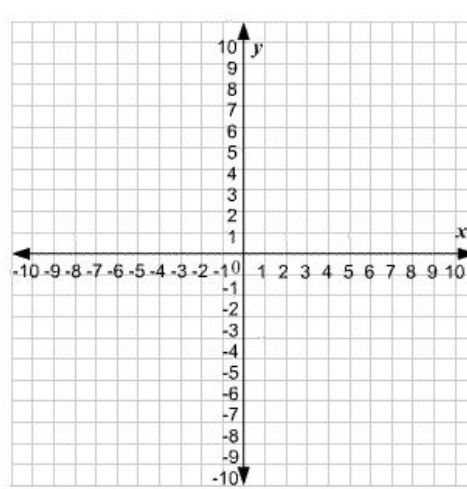
10. $y = |x + 3|$



11. $y = |x - 1|$



12. $y = |x + 2.5|$



Write an equation for each translation of $y = |x|$.

7. 2 units up

8. 2.25 units left

9. 15 units down

10. 4 units right