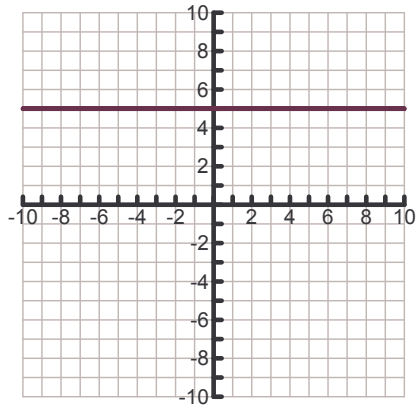
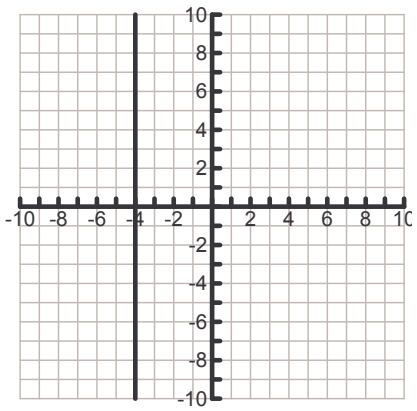
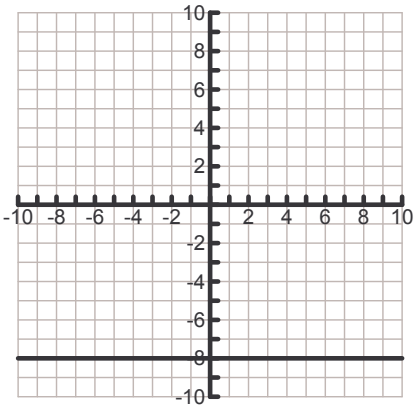
Algebra I
Horizontal & Vertical Lines Name _____

Write the linear equation that matches each graph.

1. _____ 2. _____ 3. _____

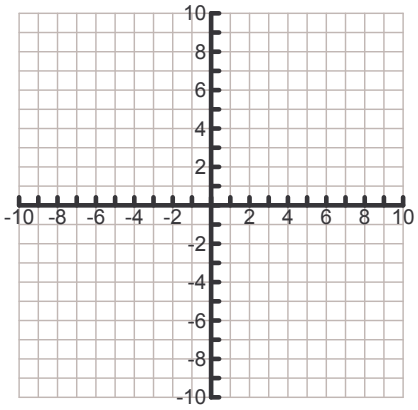


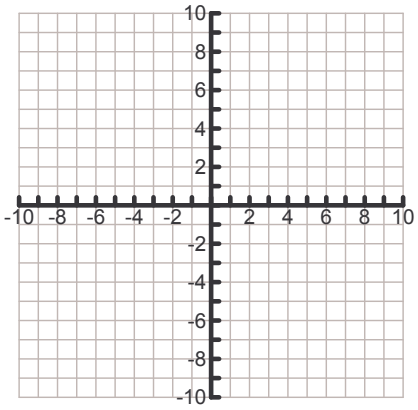


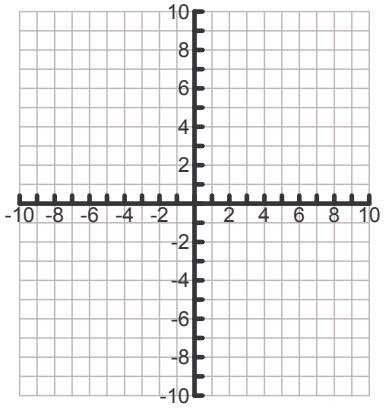


Sketch the graphs of the following equations on a Cartesian coordinate plane.

4. $x = 5$ 5. $y = -3$ 6. $x = 0$







7. At what point do the two lines $y = 8$ and $x = -1$ intersect? _____

8. Write the equation of the horizontal line that passes through (5, -3). _____

9. Write the equation of the vertical line that passes through (7, 0). _____

10 Write the equation of the line for which every x-coordinate is 10. _____

11. Write the equation of the line for which every y-coordinate is -7. _____

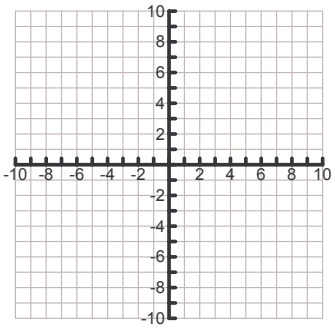
12. Write the equation for the x-axis. _____

13. Write the equation for the y-axis. _____

14. Does the point (-8, 8) lie on the graph of $x = 8$? _____

15. Does the point (4, 2) lie on the graph of $y = 2$? _____

16. Sketch the horizontal line and the vertical line that would both pass through the point (-4, -2).



equation for horizontal line: _____

equation for vertical line: _____

Graph each linear equation by using a table.

17. $2x - y = 6$

18. $y = 5 + 4x$