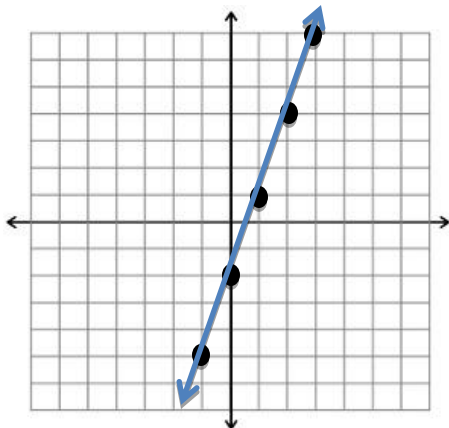


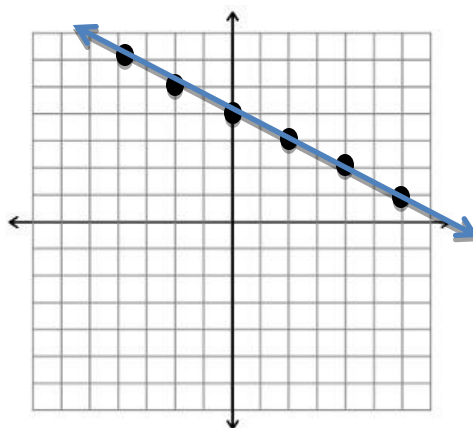
12-3: Slope-Intercept Form Notes

Write the equation of each line.

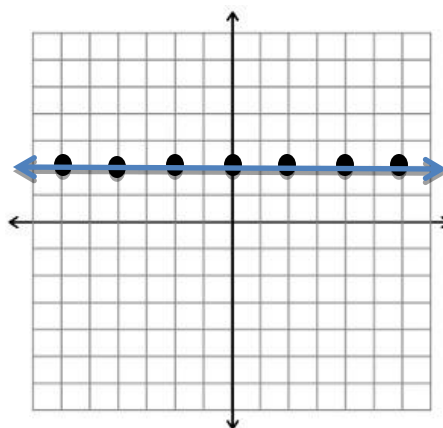
1.



2.

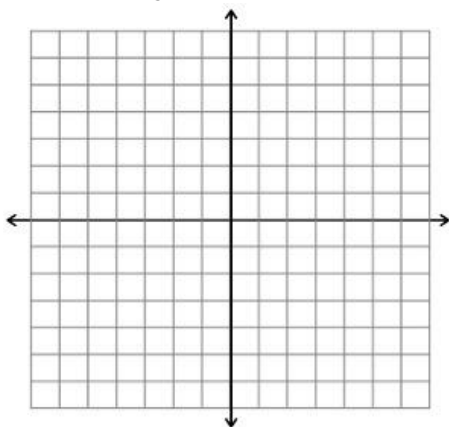


3.

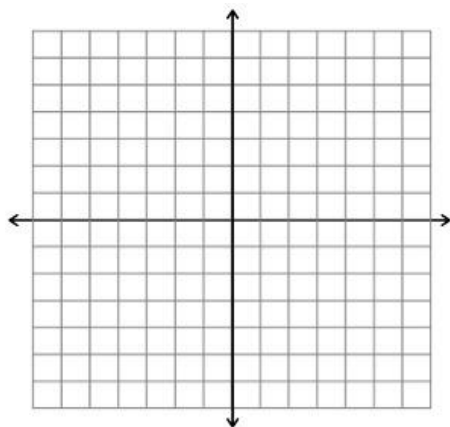


Sketch the graph of each line.

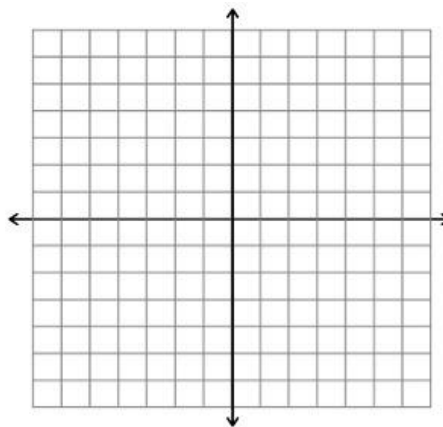
4. $y = \frac{2}{3}x - 4$



5. $y = -x + 6$



6. $y = -2x - 3$



Find the equation of the line that has given slope and y-intercept.

7. $m = 6$ and $b = 2$

8. $m = -4$ and $b = -7$

9. $m = \frac{1}{2}$ and $b = -4$

10. $m = \frac{2}{3}$ and $b = 1$

Find the equation of the line with the given slope that passes through the given point.

11. $m = 4$ and $(-1, 5)$

12. $m = -2$ and $(1, 1)$

13. $m = -\frac{1}{2}$ and $(-6, -2)$

14. $m = 0$ and $(8, 5)$