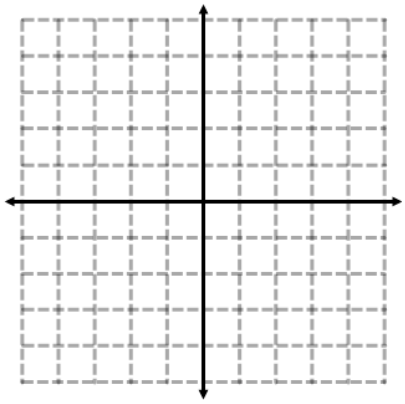
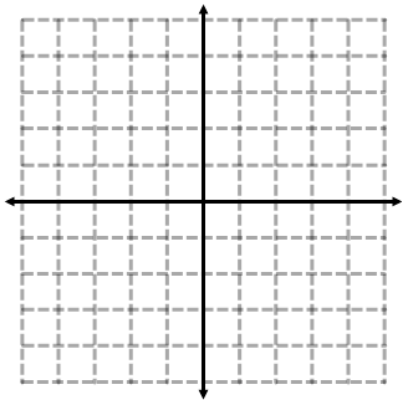
Writing the Equation of a Line

1. Graph the equation $y = \frac{3}{2}x - 4$.

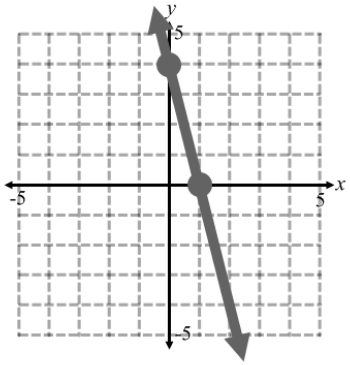


2. Graph the equation $2y = -5x + 6$.



3. Write an equation of the line with a slope of -4 and that passes through the point $(0, -3)$.

4. Write an equation of the line graphed below.



5. Write an equation of the line that passes through points $(4, 4)$ and $(2, 1)$.

6. Write an equation of the line that passes through points $(-4, 2)$ and $(4, 0)$.

7. Write an equation of the line that passes through points $(-3,2)$ and $(5,2)$.

8. Write an equation of the line that passes through points $(-4,1)$ and $(-4,3)$.

9. If the point $(-1,0)$ is on the line whose equation is $y = 2x + b$, what is the value of b?

10. If a line has a slope of -1 and passes through the point $(1,-5)$, what is an equation of the line?

11. Does the graph of the straight line with slope of -2 and y-intercept of -3 pass through the point $(5,-13)$?

12. Write an equation for the line indicated by the table of values below.

x	1	3	5	7
y	2	5	8	11