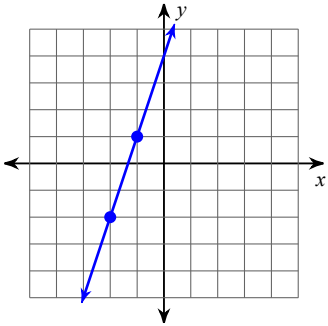


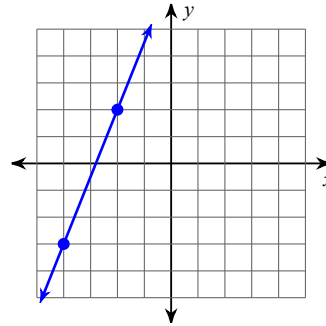
HW204 - Linear Equations

**Find the slope of each line.**

1)



2)



**Find the slope of the line through each pair of points.**

3)  $(-3, -10), (-3, 6)$

4)  $(-7, 16), (0, -2)$

**Find the slope of each line.**

5)  $y = \frac{1}{2}x - 1$

6)  $3x + 2y = -8$

**Find the slope of a line parallel to each given line.**

7)  $0 = -7x + 2y - 10$

8)  $6 = 3x$

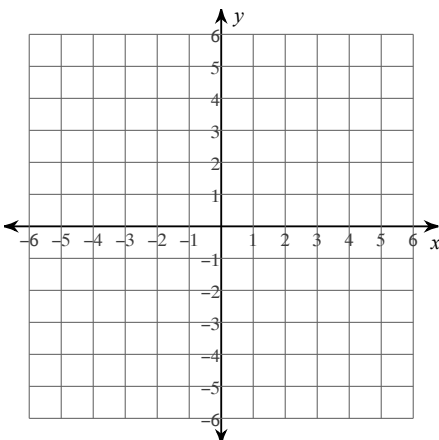
**Find the slope of a line perpendicular to each given line.**

9)  $x = 2y$

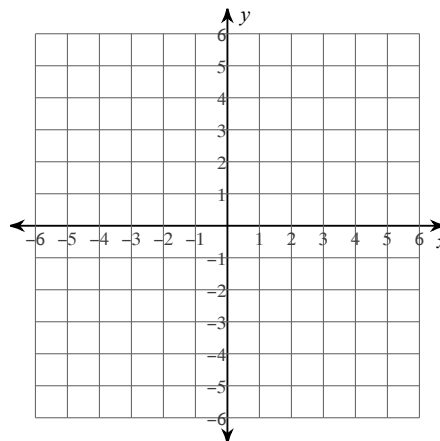
10)  $-9 = 3y - x$

**Sketch the graph of each line.**

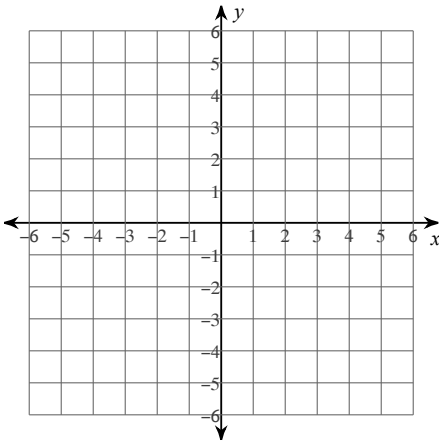
11)  $y = -\frac{1}{2}x + 2$



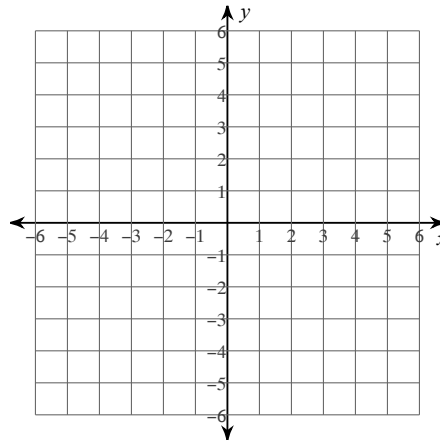
12)  $y = -2x - 4$



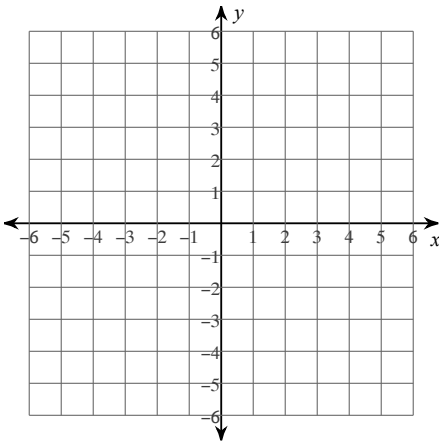
13)  $x$ -intercept = 2,  $y$ -intercept = -1



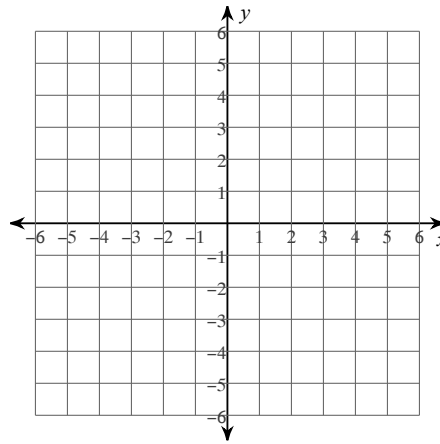
14)  $x$ -intercept = 3,  $y$ -intercept = -5



15)  $x = 0$

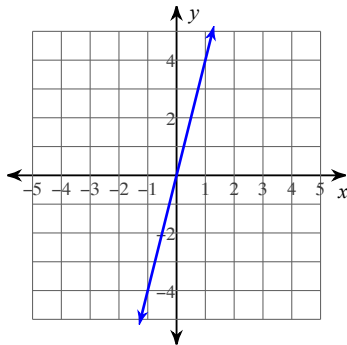


16)  $6x + 5y = 20$

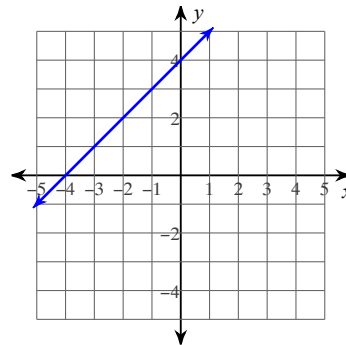


**Write the slope-intercept form of the equation of each line.**

17)



18)



19)  $x - 3y = 18$

20)  $y - 1 = -(x - 1)$