

Geometry - Homework 11

Find the slope of each line.

1) $x = -3$

2) $y = 3x - 1$

3) $y = 2x + 1$

4) $y = -2$

5) $y = x$

6) $8x - y = 5$

7) $7x + 2y = -6$

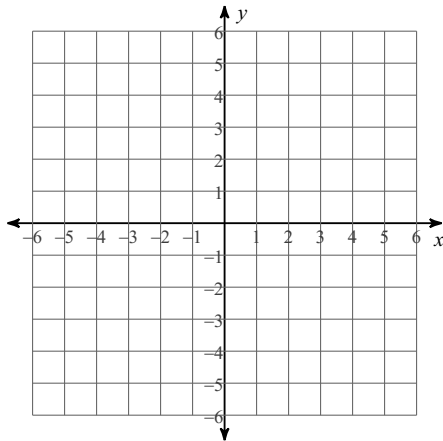
8) $3x + y = -5$

9) $2x - y = -5$

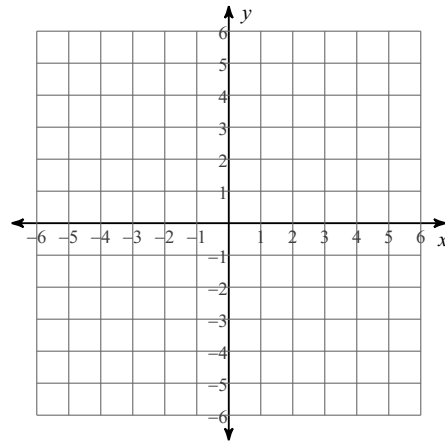
10) $8x + y = 4$

Sketch the graph of each line.

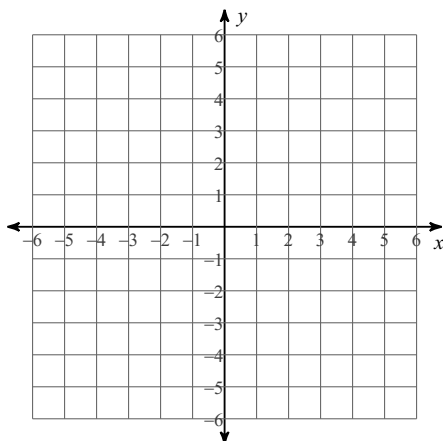
11) x -intercept = 1, y -intercept = -5



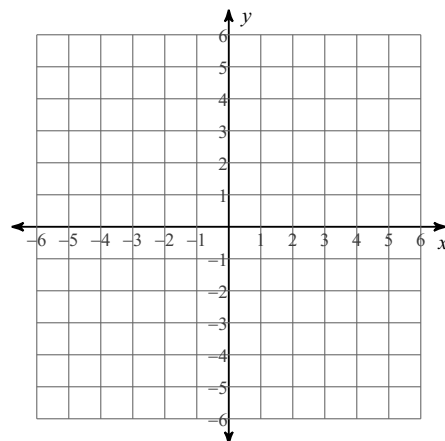
12) x -intercept = -2, y -intercept = 3



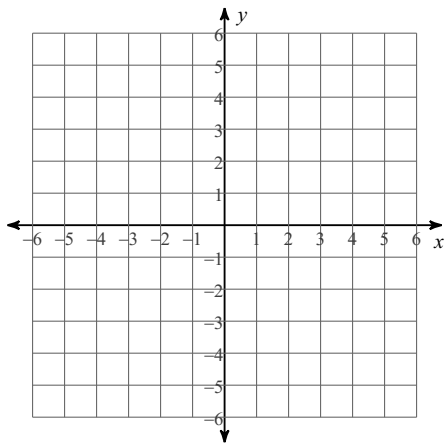
13) x -intercept = -5, y -intercept = -1



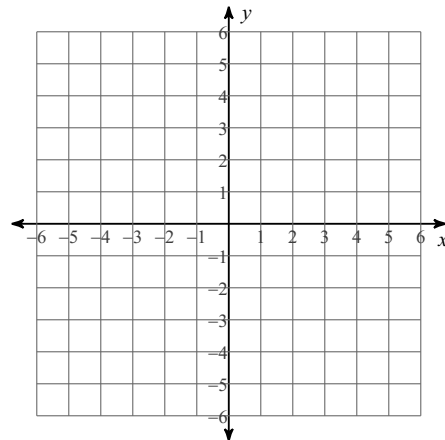
14) x -intercept = -5, y -intercept = -5



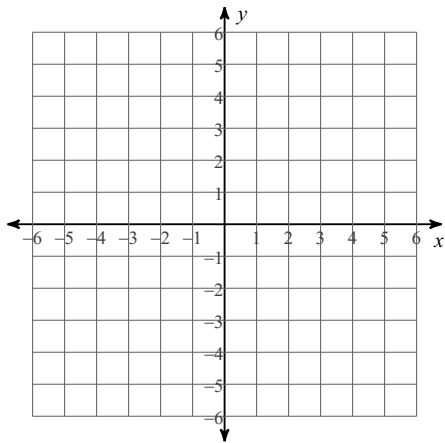
15) x -intercept = 4, y -intercept = 4



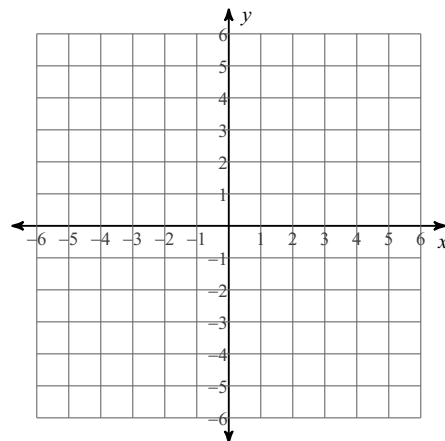
16) $y = -\frac{1}{5}x$



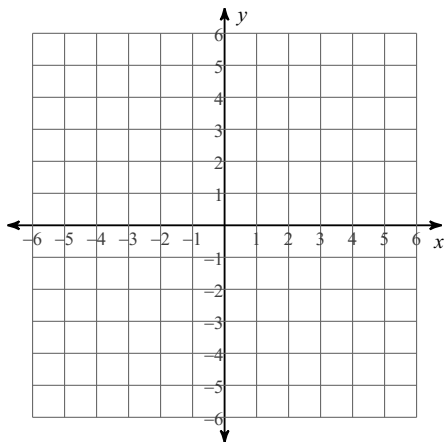
17) $y = -3x$



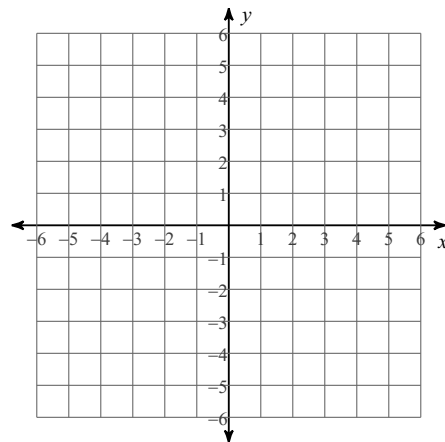
18) $y = \frac{1}{5}x - 1$



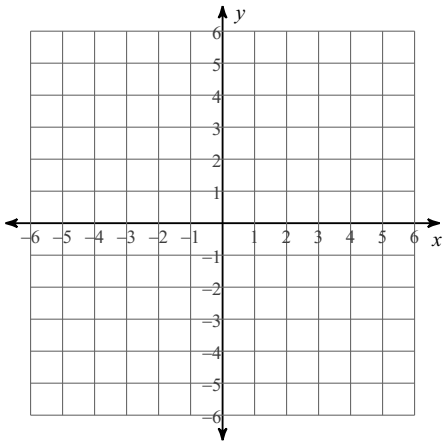
19) $y = 3$



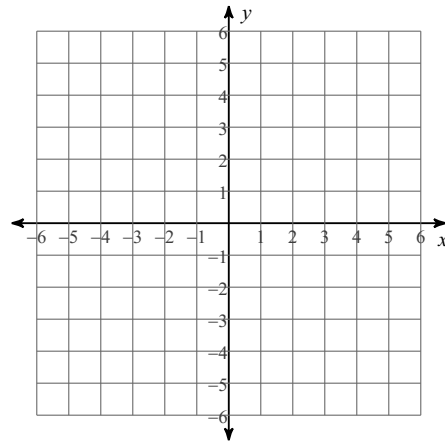
20) $y = -x - 5$



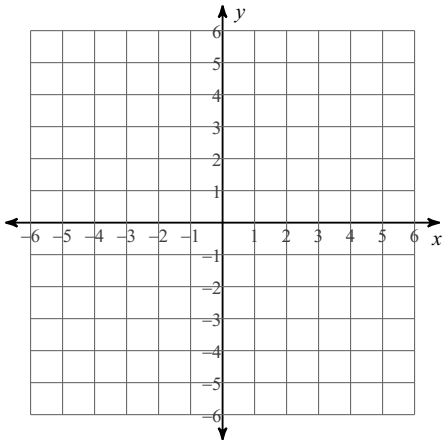
21) $-2x - 5y = -25$



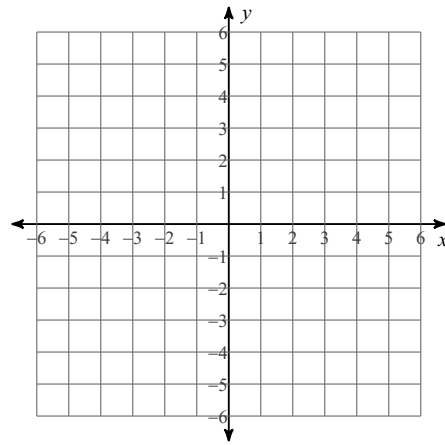
22) $-6x - 5y - 5 = 0$



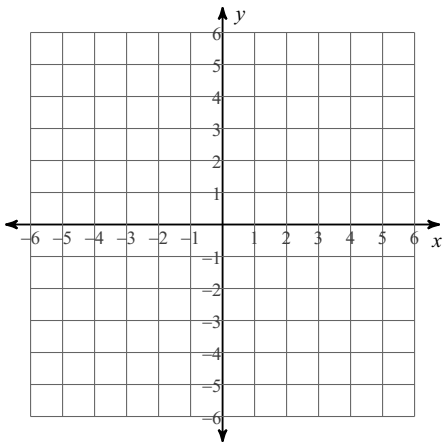
23) $x = -\frac{4}{3}y - \frac{16}{3}$



24) $4y + 16 = -2x$



25) $2x = -10y - 10$



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

26) $-9 - 3y + 7x = 0$

27) $-2y + x = 4$

28) $-16 = 8y + 6x$

29) $2 + x = 0$

30) $-5y + 15 + x = 0$

Answers to Geometry - Homework 11

1) Undefined

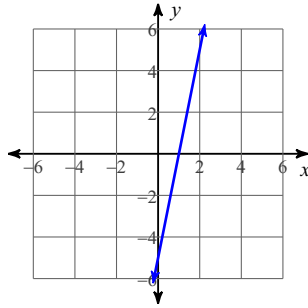
3) 2

5) 1

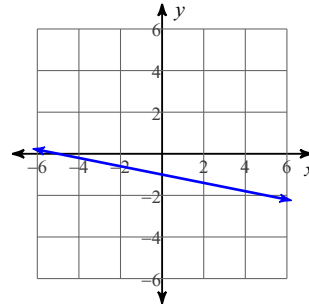
7) $-\frac{7}{2}$

9) 2

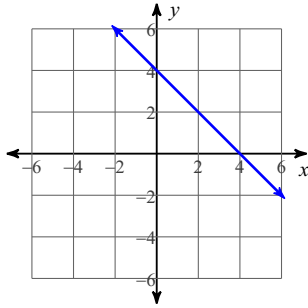
11)



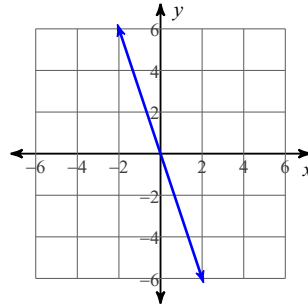
13)



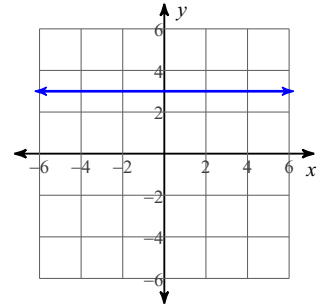
15)



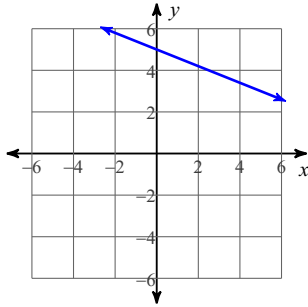
17)



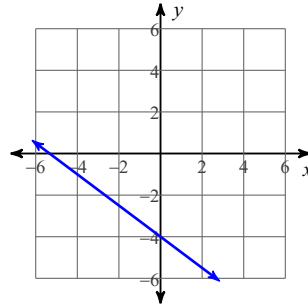
19)



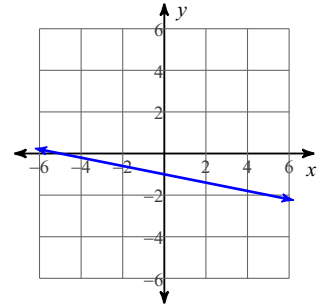
21)



23)



25)



27) -2

29) 0