College Math Name_____

Standard Form Practice

Date_____

Write the standard form of the equation of the line through the given point with the given slope.

1) through: $(3, -5)$, slope = -2

2) through: $(3, -1)$, slope = $-\frac{3}{7}$

3) through: $(1, 0)$, slope = 2

4) through: $(-2, 3)$, slope = $\frac{1}{2}$

5) Slope = $\frac{9}{4}$, y-intercept = 5

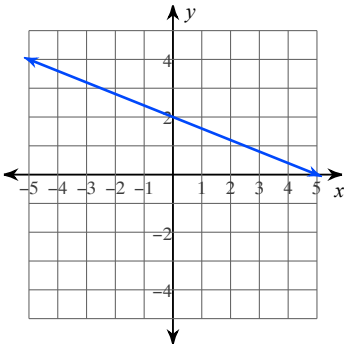
6) through: $(1, -1)$, slope = $\frac{3}{2}$

7) through: $(2, 0)$, slope = $\frac{3}{2}$

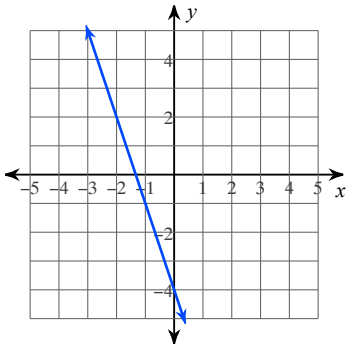
8) Slope = -1, y-intercept = -2

Write the standard form of the equation of each line.

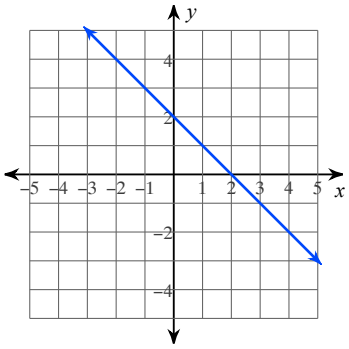
9)



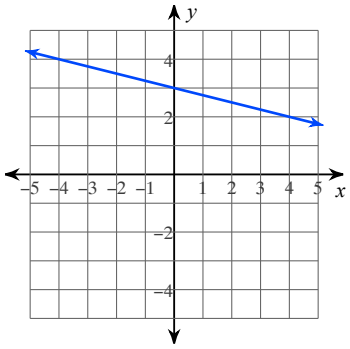
10)



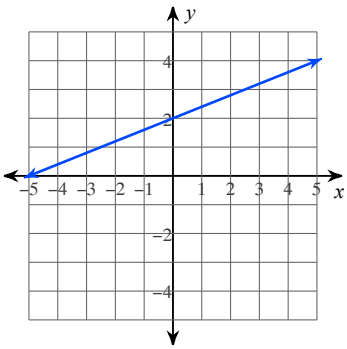
11)



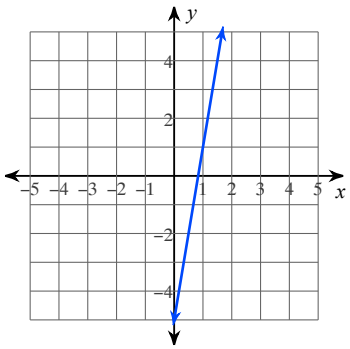
12)



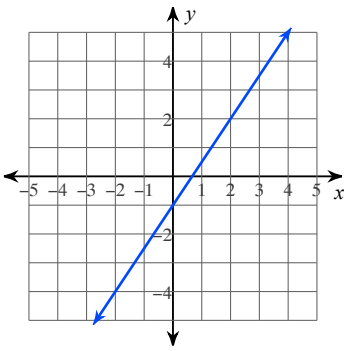
13)



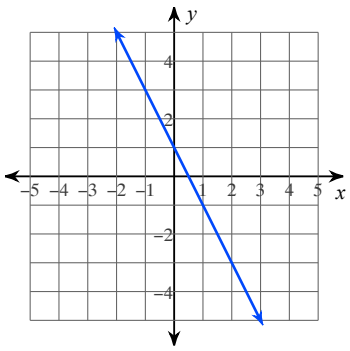
14)



15)

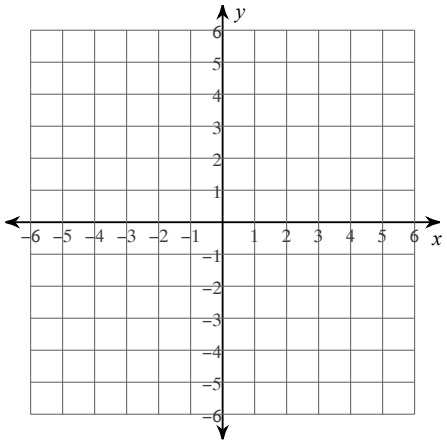


16)

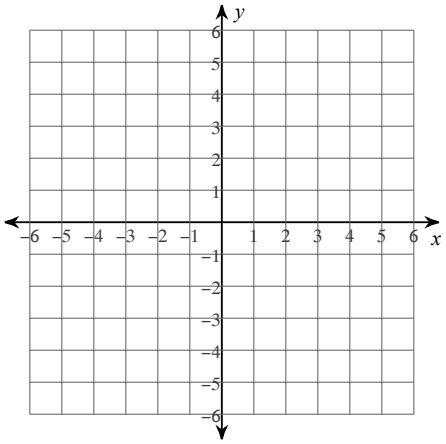


Sketch the graph of each line.

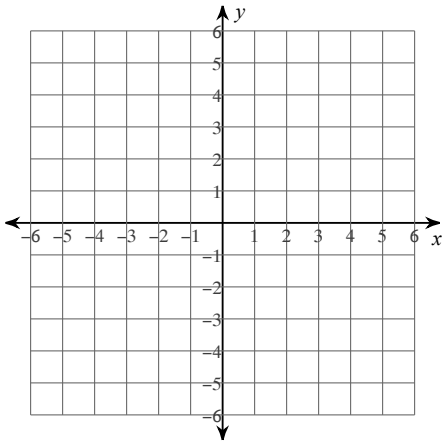
17) $3x - 5y = 5$



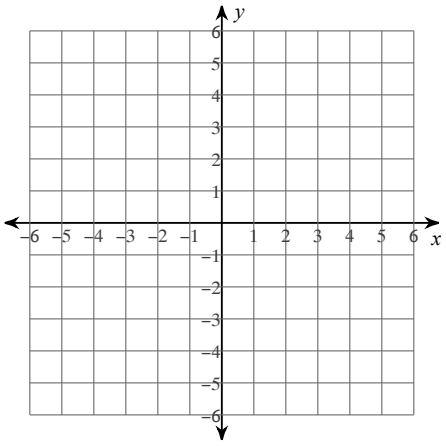
18) $3x + y = 2$



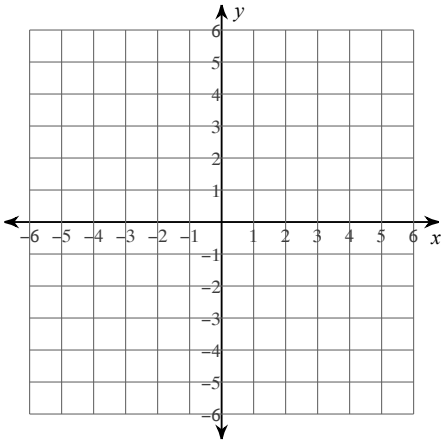
19) $4x - 5y = 25$



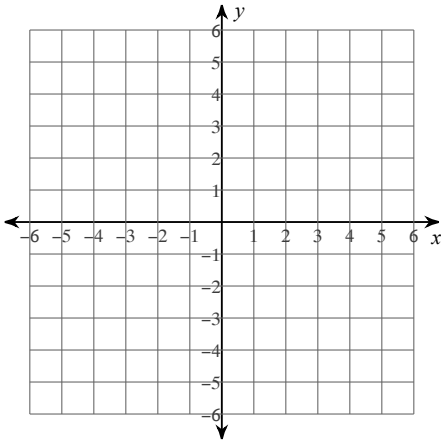
20) $3x + y = -3$



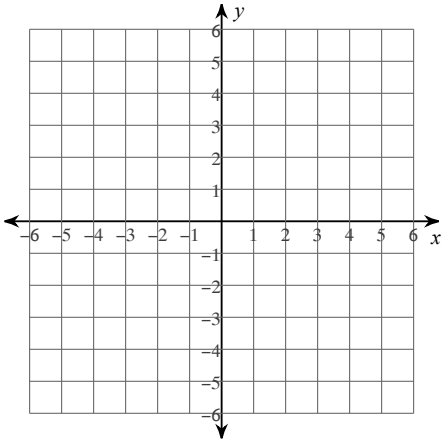
21) $3x + 2y = -10$



22) $x - 3y = 6$



23) $x + 4y = -20$



24) $3x - y = 2$