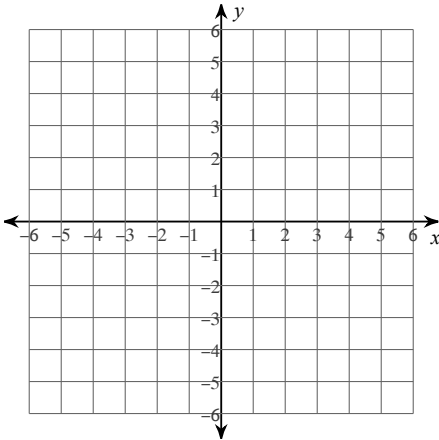


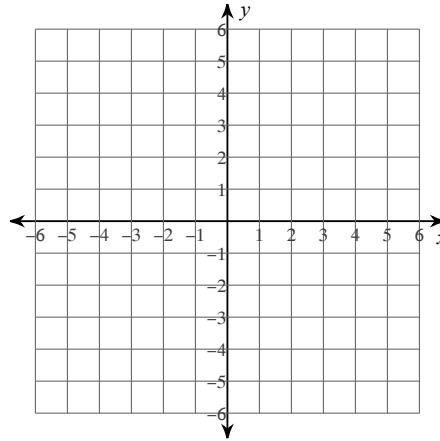
# Graphing Equations and Inequalities WS#1

Sketch the graph of each line. Is  $(3, -3)$  a solution? Why or why not?

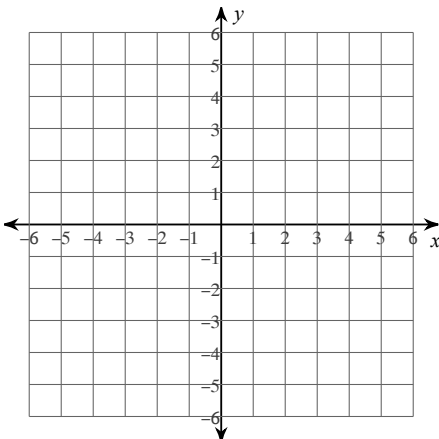
1)  $y = 2x + 5$



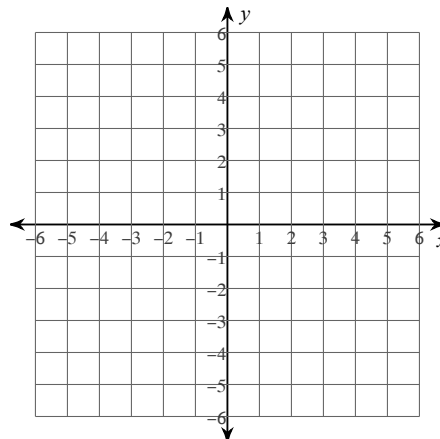
2)  $y = -\frac{1}{3}x - 2$



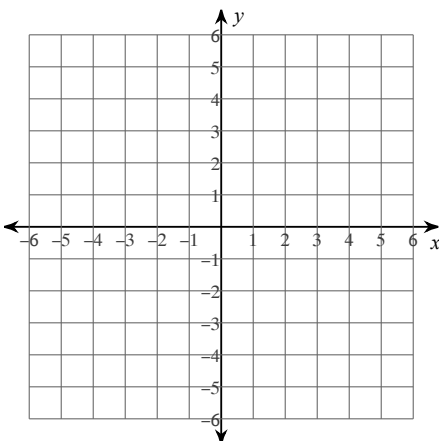
3)  $y = -\frac{3}{5}x + 3$



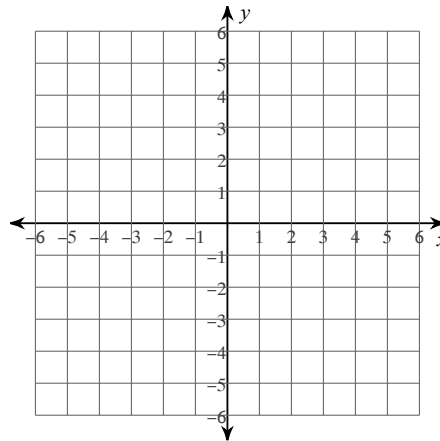
4)  $y = \frac{1}{5}x - 4$



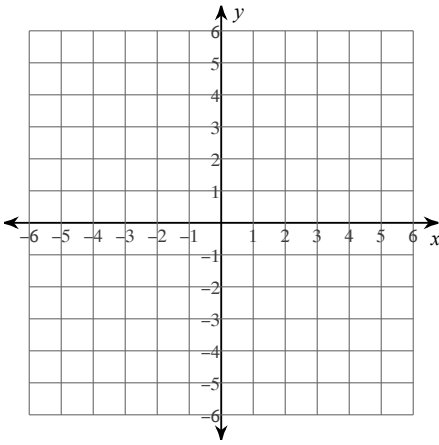
5)  $y = \frac{2}{3}x + 1$



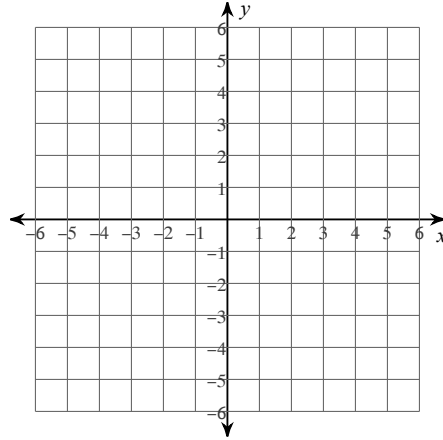
6)  $y = -3x - 1$



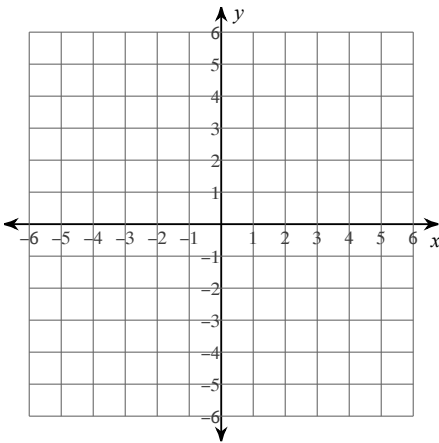
7)  $y = 4x - 5$



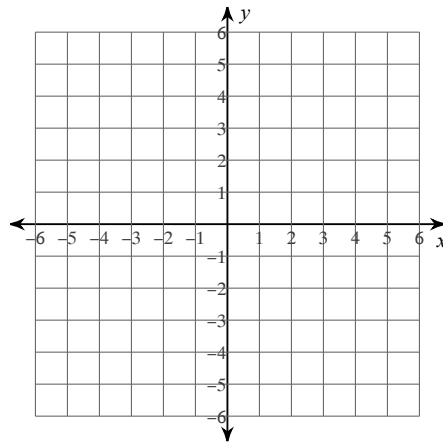
8)  $y = \frac{2}{5}x + 1$



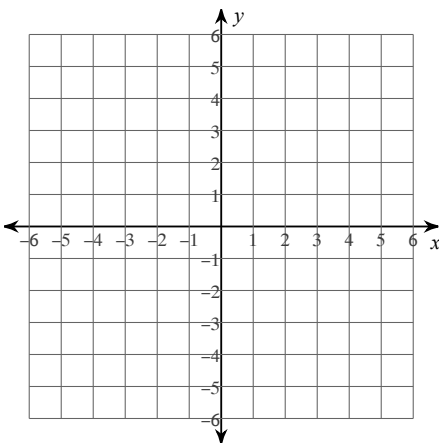
9)  $y = -x$



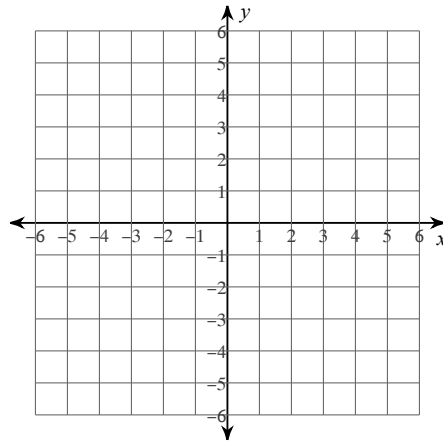
10)  $y = 4x + 1$



11)  $y = -\frac{1}{2}x - 4$

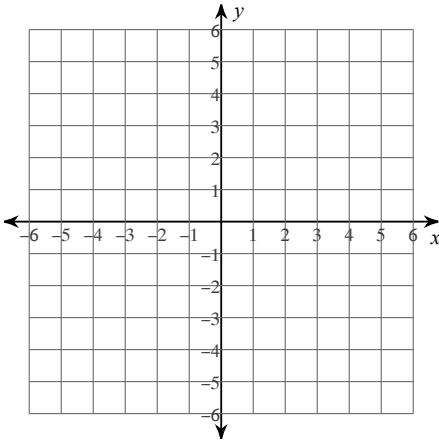


12)  $y = -5x + 3$

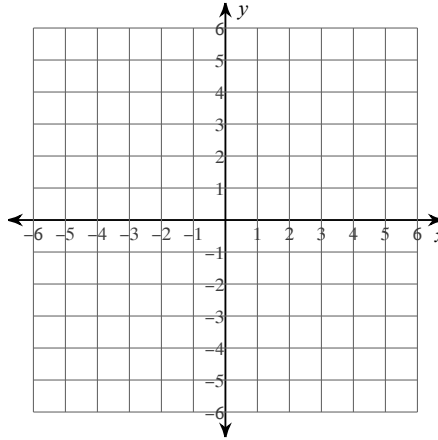


Sketch the graph of each linear inequality. Is (2,3) a solution? Why or why not?

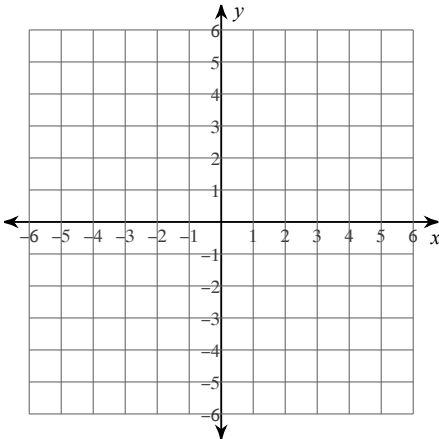
13)  $y \leq \frac{5}{3}x + 2$



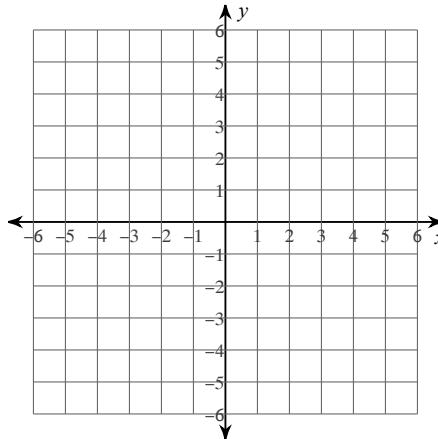
14)  $y < x + 1$



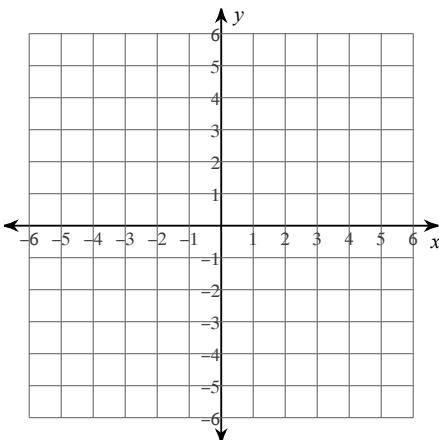
15)  $y \geq -\frac{2}{5}x + 2$



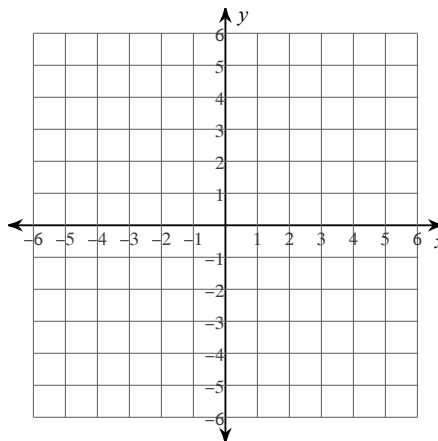
16)  $y > -\frac{5}{2}x - 1$



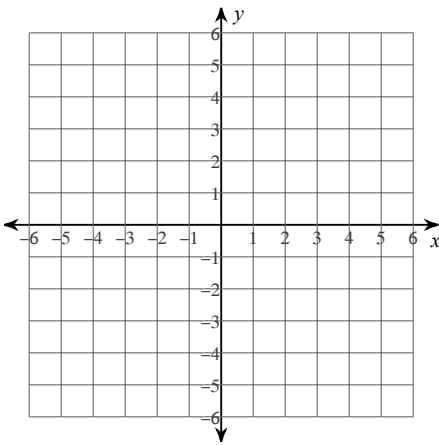
17)  $y < -7x - 5$



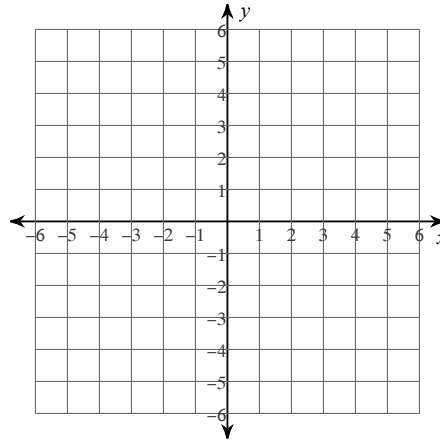
18)  $y > -\frac{5}{4}x + 1$



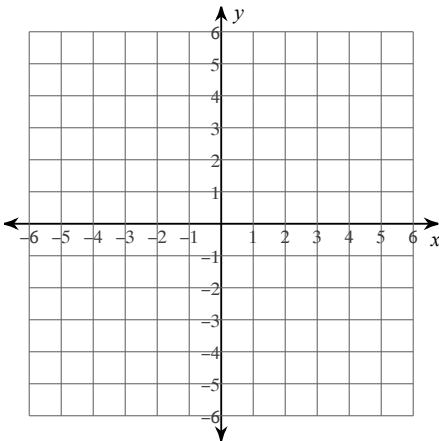
19)  $y \geq x + 3$



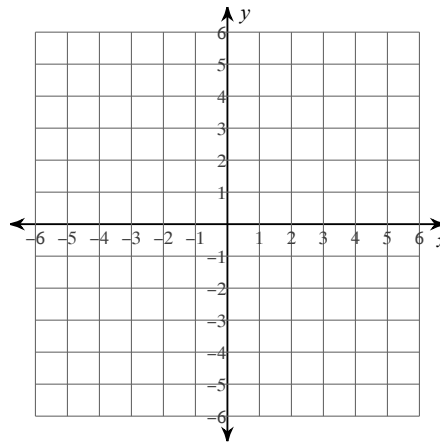
20)  $y > -\frac{3}{2}x + 1$



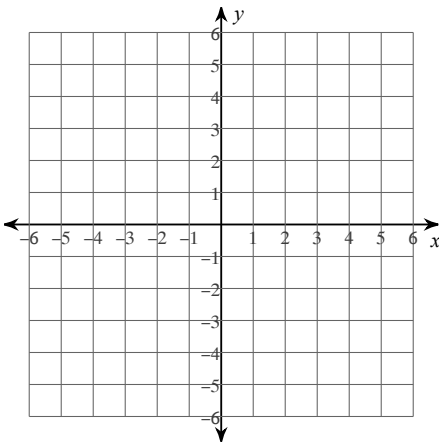
21)  $y < \frac{4}{5}x$



22)  $y > 4x - 4$



23)  $y \leq 3x - 2$



24)  $y \leq x + 1$

