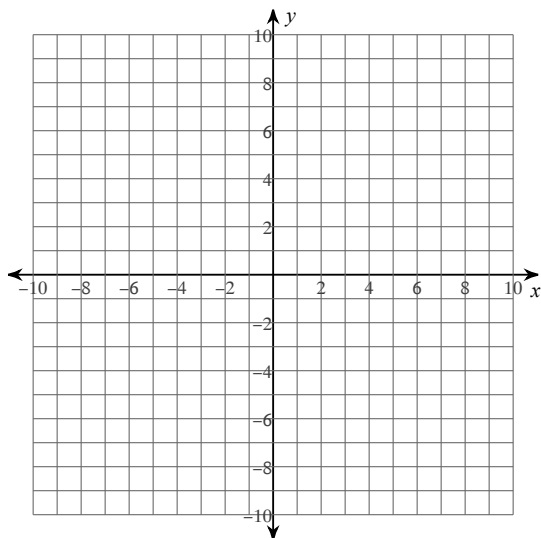


Graphing systems and systems of inequalities

Solve each system by graphing.

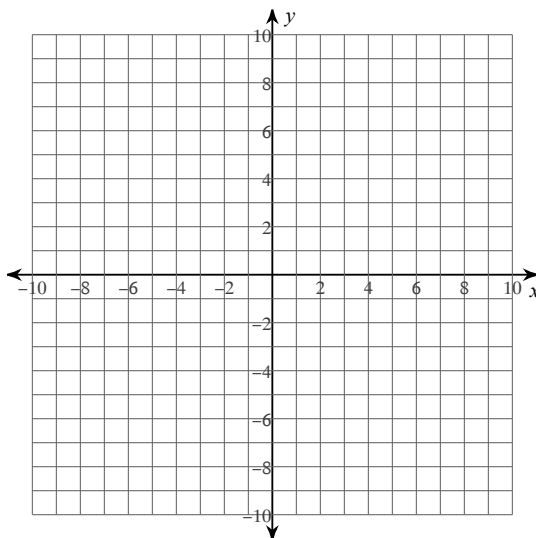
1) $y = \frac{2}{9}x + 9$

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



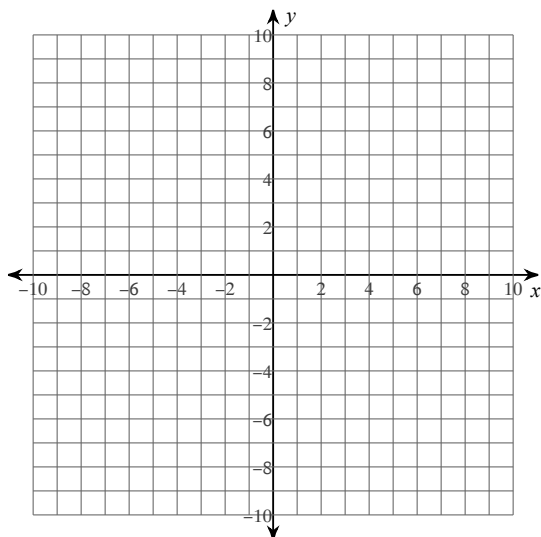
2) $y = \frac{5}{3}x + 2$

$y = -\frac{2}{3}x + 9$



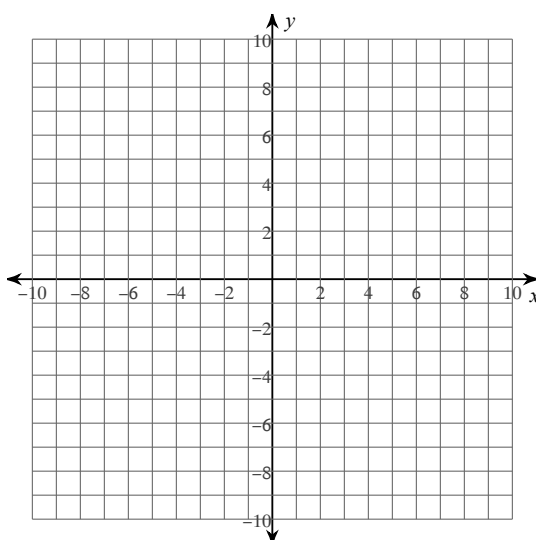
3) $y = 2x + 3$

$y = \frac{1}{5}x - 6$



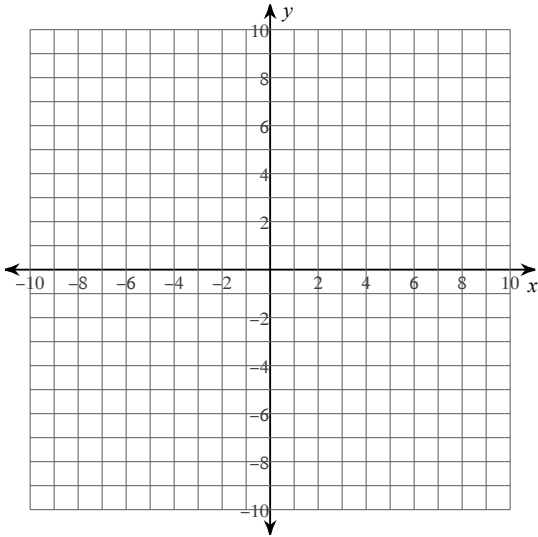
4) $y = \frac{1}{7}x - 2$

$y = \frac{11}{7}x + 8$



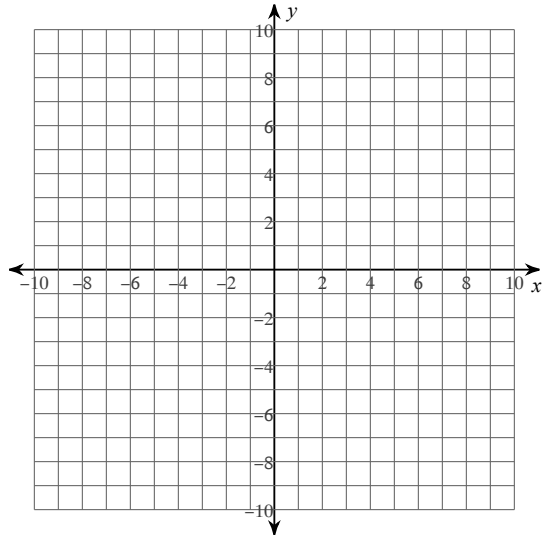
$$5) \ y = \frac{2}{9}x + 2$$

$$y = x - 5$$



$$6) \ y = -x - 3$$

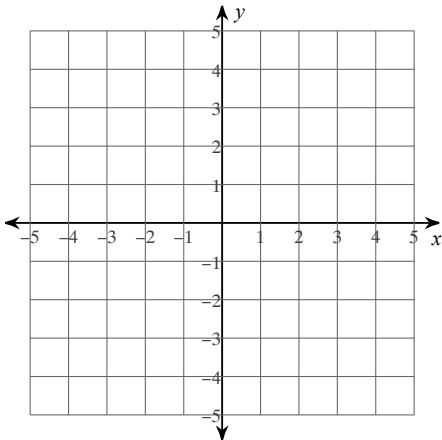
$$y = \frac{3}{2}x - 8$$



Sketch the solution to each system of inequalities.

$$7) \ y > 4x - 1$$

$$y \geq x + 2$$



$$8) \ y \leq -\frac{1}{3}x - 2$$

$$y > -\frac{5}{3}x + 2$$

