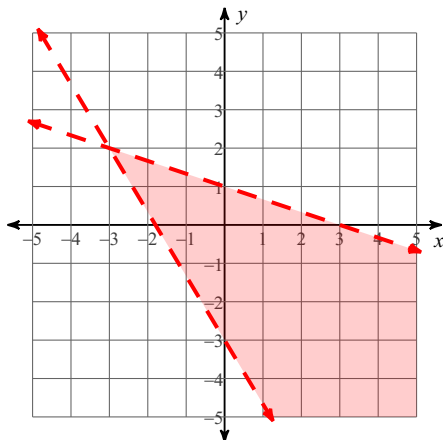


Systems of Linear Inequalities

Sketch the solution to each system of inequalities.

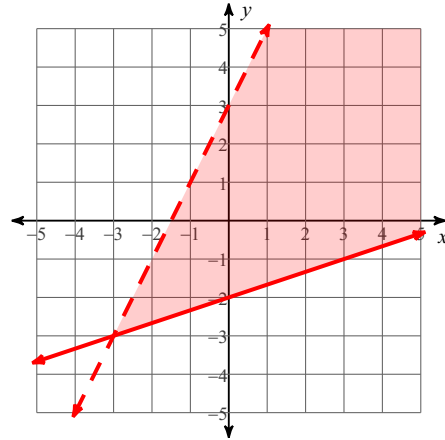
1) $y > -\frac{5}{3}x - 3$

$y < -\frac{1}{3}x + 1$



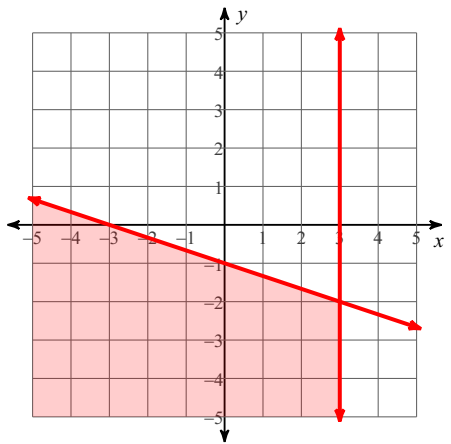
2) $y \geq \frac{1}{3}x - 2$

$y < 2x + 3$



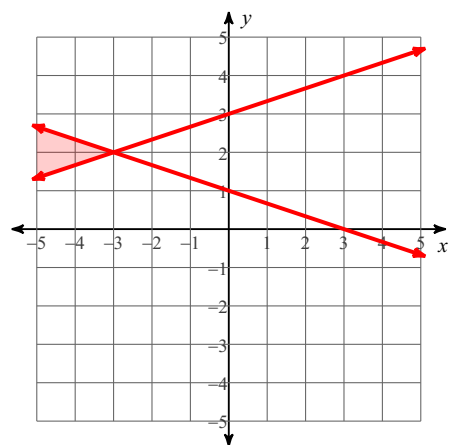
3) $x \leq 3$

$y \leq -\frac{1}{3}x - 1$



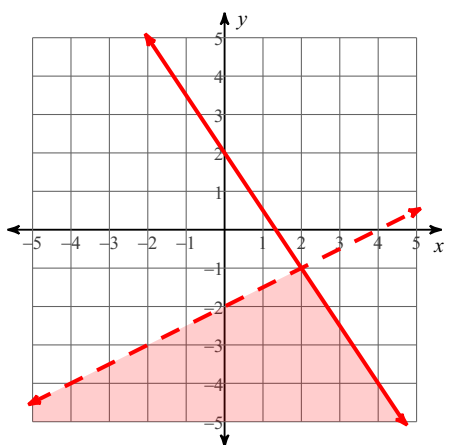
4) $y \geq \frac{1}{3}x + 3$

$y \leq -\frac{1}{3}x + 1$



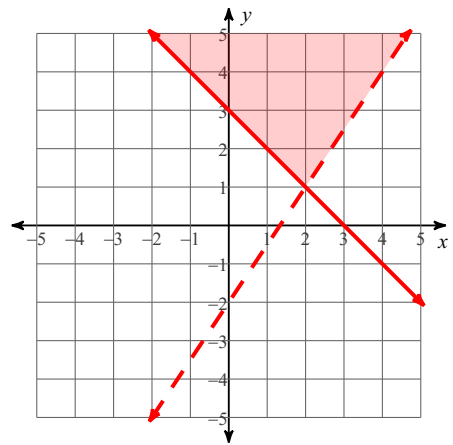
5) $y \leq -\frac{3}{2}x + 2$

$y < \frac{1}{2}x - 2$

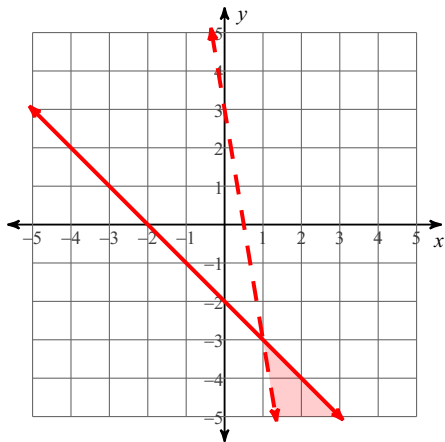


6) $y > \frac{3}{2}x - 2$

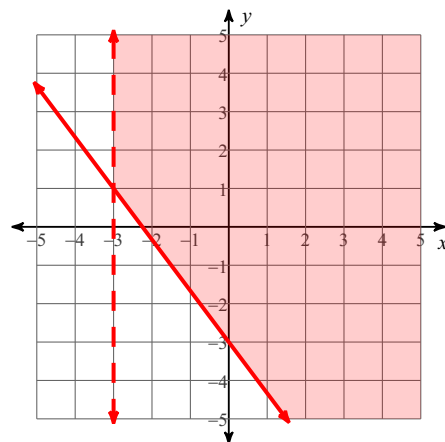
$y \geq -x + 3$



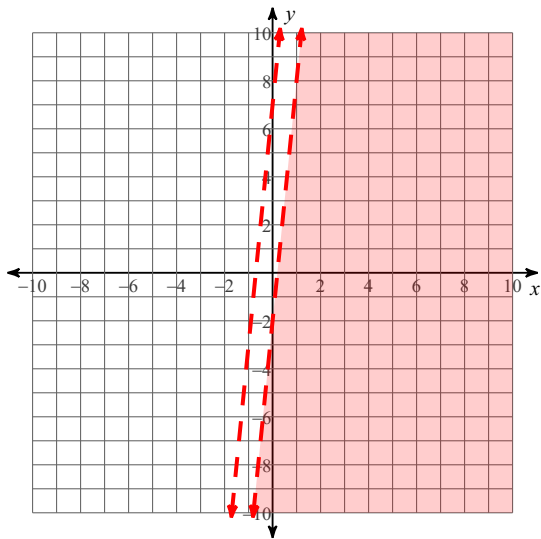
7) $y > -6x + 3$
 $y \leq -x - 2$



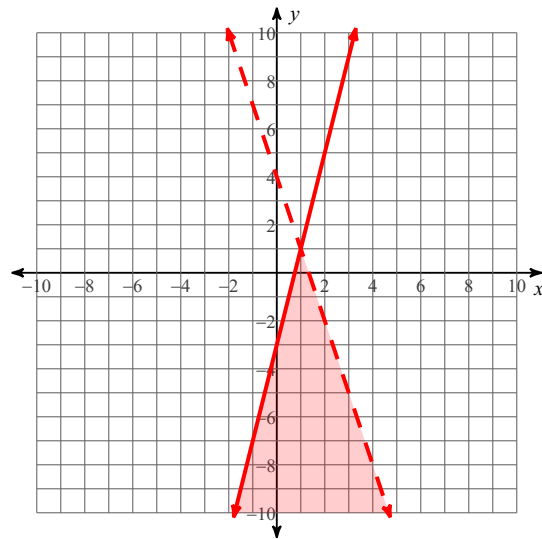
8) $x > -3$
 $y \geq -\frac{4}{3}x - 3$



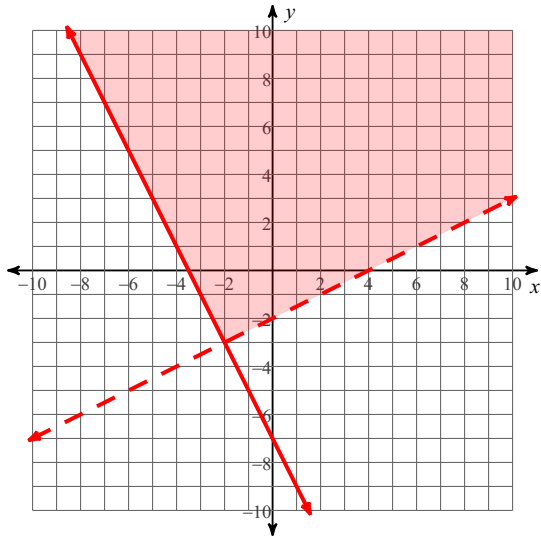
9) $10x - y > 2$
 $10x - y > -7$



10) $3x + y < 4$
 $4x - y \geq 3$



$$11) \begin{cases} 2x + y \geq -7 \\ x - 2y < 4 \end{cases}$$



$$12) \begin{cases} y < 2 \\ 3x - 4y \leq 16 \end{cases}$$

