

Systems of inequalities

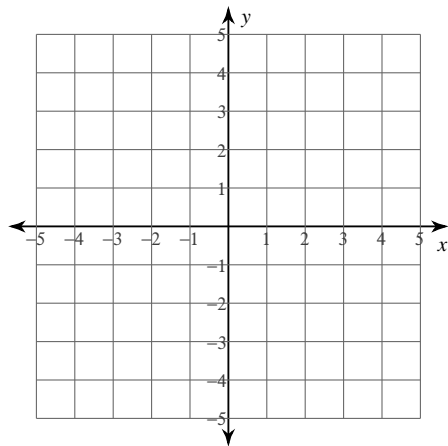
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Date _____ Period _____

Sketch the solution to each system of inequalities, the solution must be shaded.

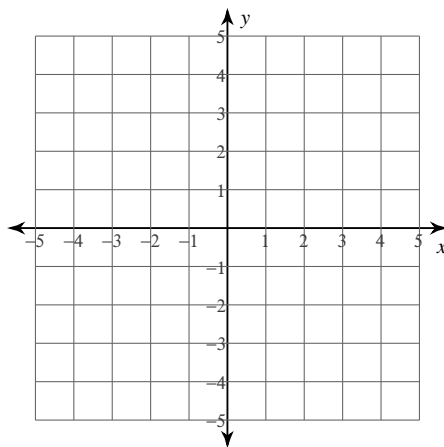
1) $x < -2$

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



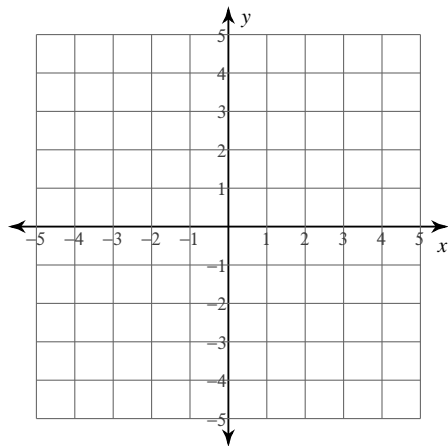
2) $y \leq \frac{4}{3}x + 3$

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



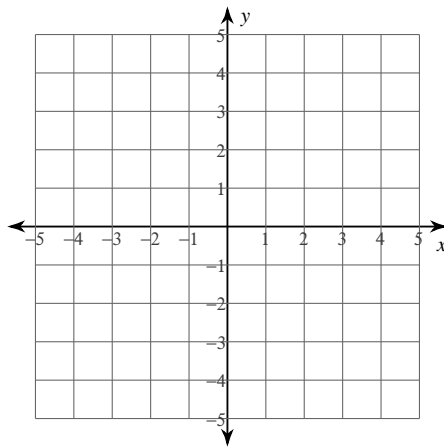
3) $y \geq \frac{2}{3}x - 1$

$$y \geq -\frac{2}{3}x + 3$$

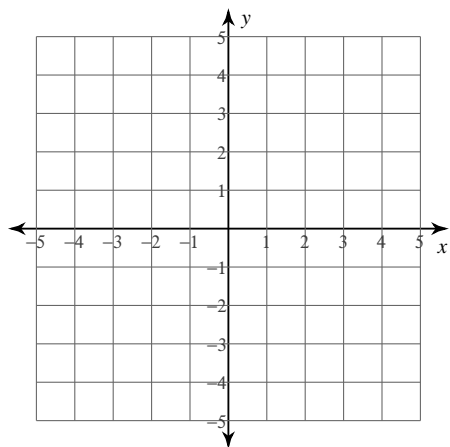


4) $y < -6x + 3$

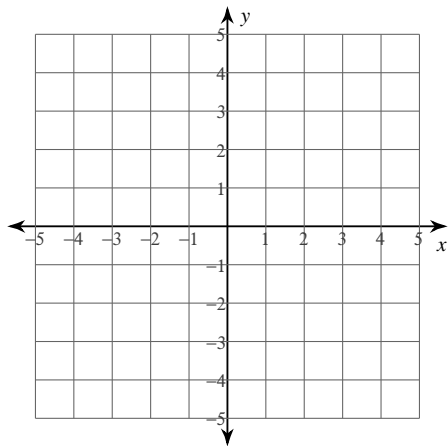
$$y \geq -6x - 2$$



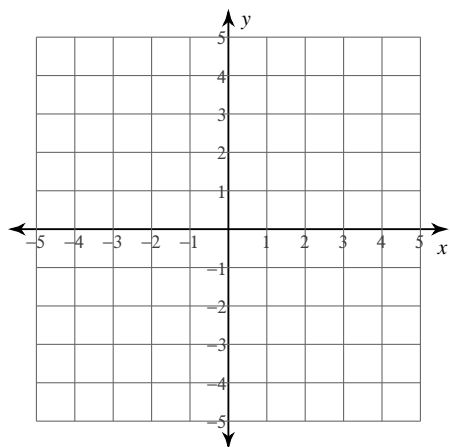
5) $y > x - 2$
 $y < 6x + 3$



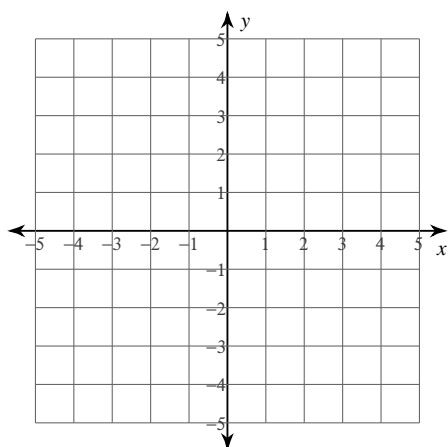
6) $y > -\frac{1}{3}x + 3$
 $y < x - 1$



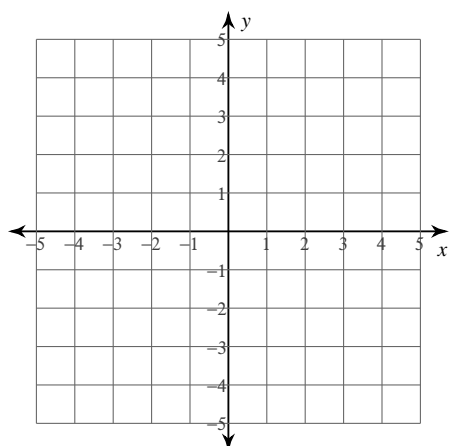
7) $y > -2x - 3$
 $y \geq -\frac{2}{3}x + 1$



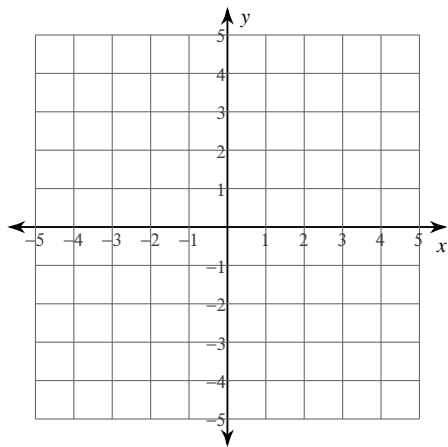
8) $y > \frac{5}{2}x + 3$
 $y \geq \frac{1}{2}x - 1$



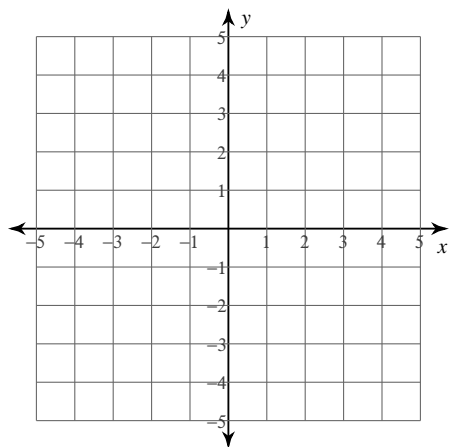
9) $y \leq \frac{3}{2}x - 2$
 $y < -\frac{1}{2}x + 2$



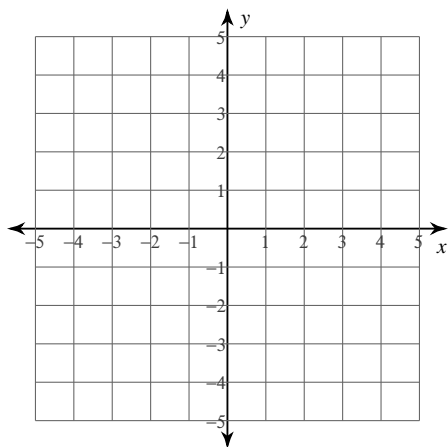
10) $y \geq -3x + 2$
 $y > 2x - 3$



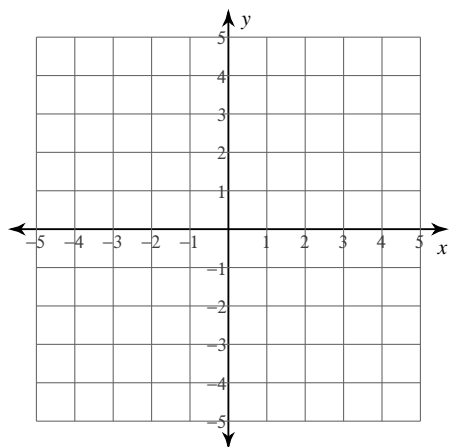
11) $y \leq 3$
 $y > 6x - 3$



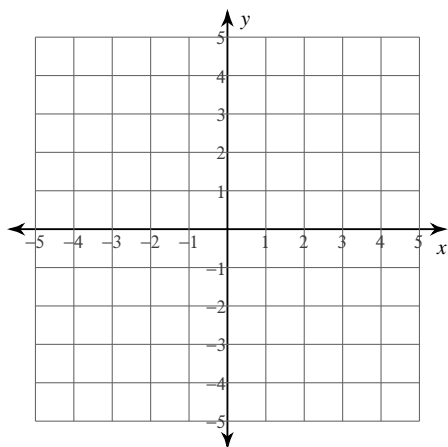
12) $y > -x + 1$
 $y < -x - 1$



13) $y \leq \frac{5}{2}x - 3$
 $y \geq \frac{1}{2}x + 1$



14) $y \leq -\frac{4}{3}x + 1$
 $y \leq -\frac{1}{3}x - 2$



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

