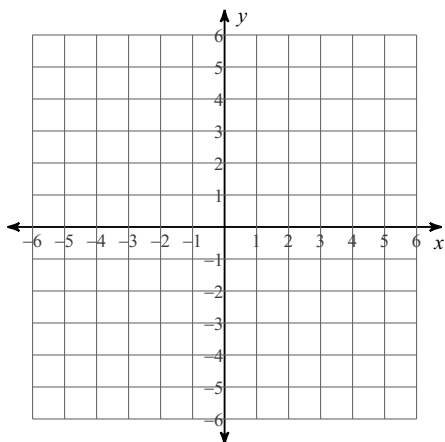


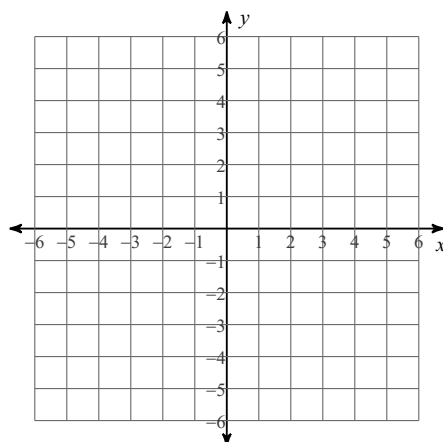
Graphing Linear Inequalities & Systems of Inequalities

CLASS EXAMPLES: Sketch the graph of each linear inequality.

1) $y \leq x - 1$

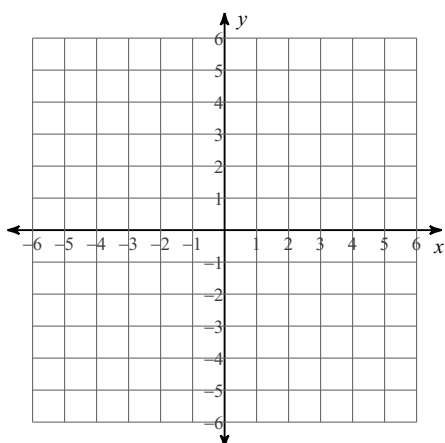


2) $y > -\frac{1}{3}x + 1$

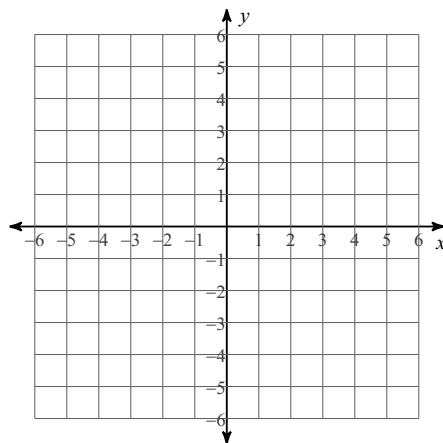


Sketch the graph of each linear inequality.

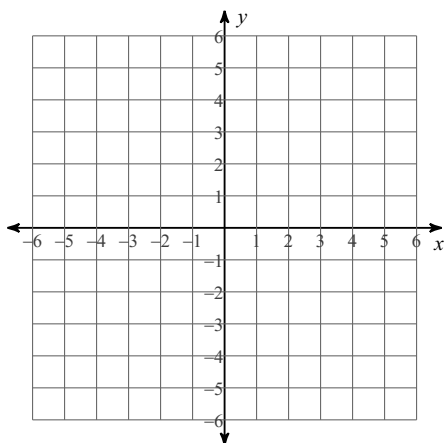
3) $y > \frac{3}{2}x + 1$



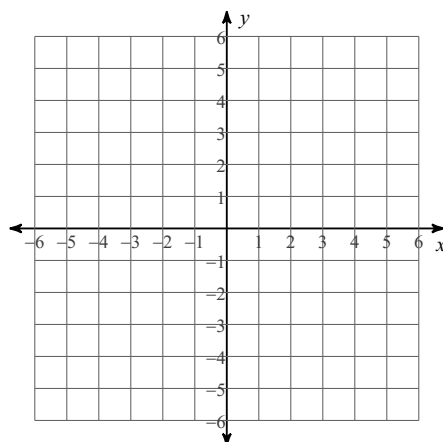
4) $x < -4$



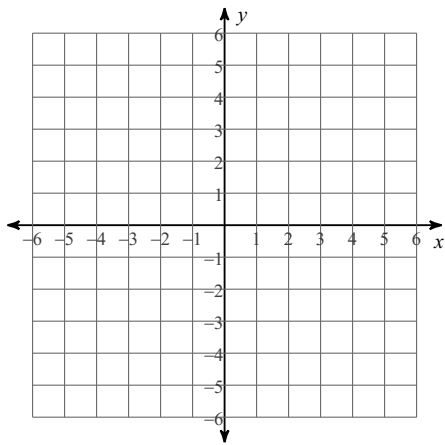
5) $y \geq x + 1$



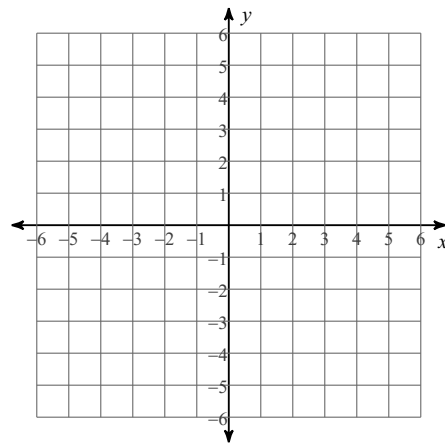
6) $y > -\frac{4}{3}x$



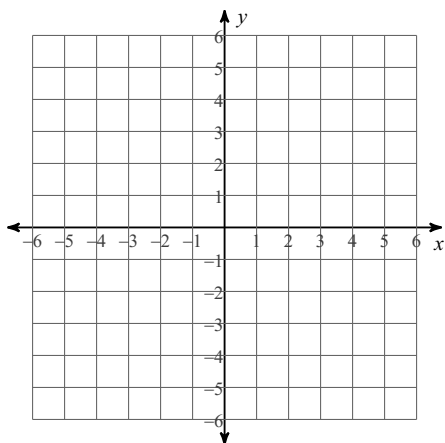
7) $y < -2x - 3$



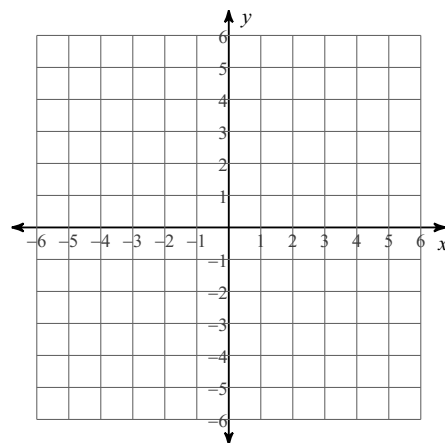
8) $y < -2$



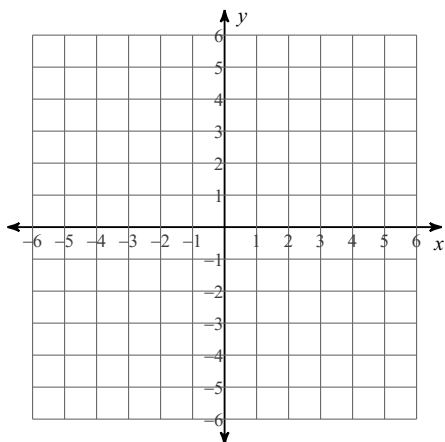
9) $y < \frac{2}{3}x + 2$



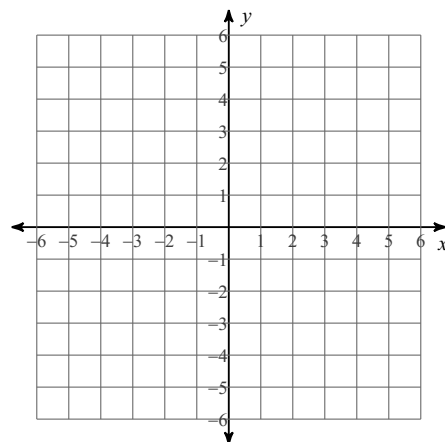
10) $y \geq \frac{1}{2}x$



11) $y < -5x - 5$

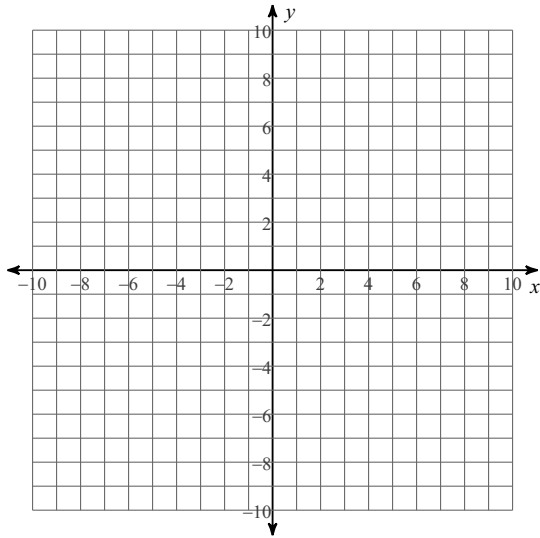


12) $y \leq -2x - 2$

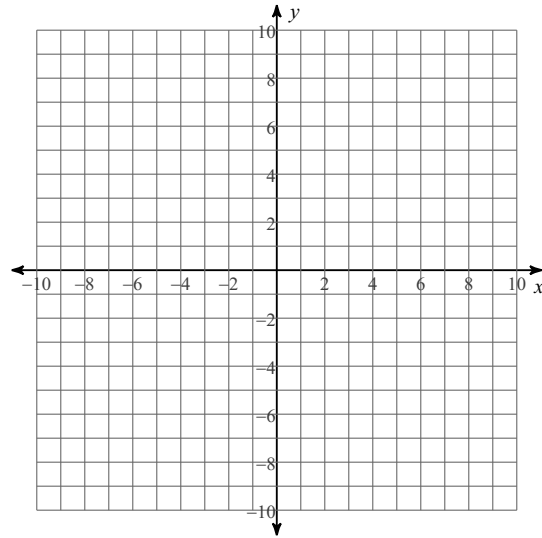


CLASS EXAMPLES: Sketch the solution to each system of inequalities.

13) $y > \frac{3}{4}x - 1$
 $y < -\frac{1}{4}x + 3$

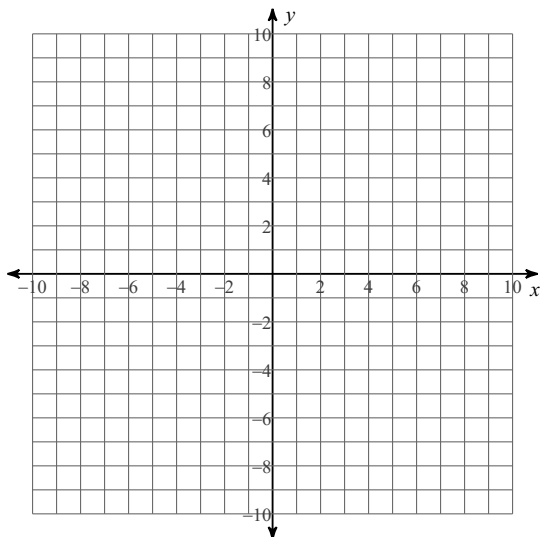


14) $y < \frac{6}{5}x - 2$
 $y \leq -\frac{2}{5}x + 6$

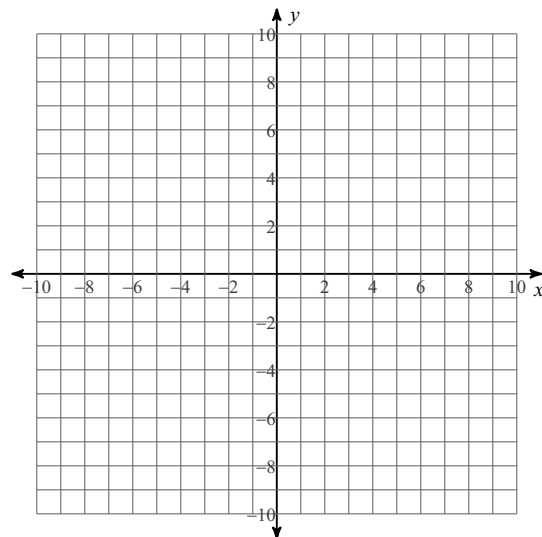


Sketch the solution to each system of inequalities.

15) $y > 7x - 7$
 $y > -\frac{1}{2}x + 8$

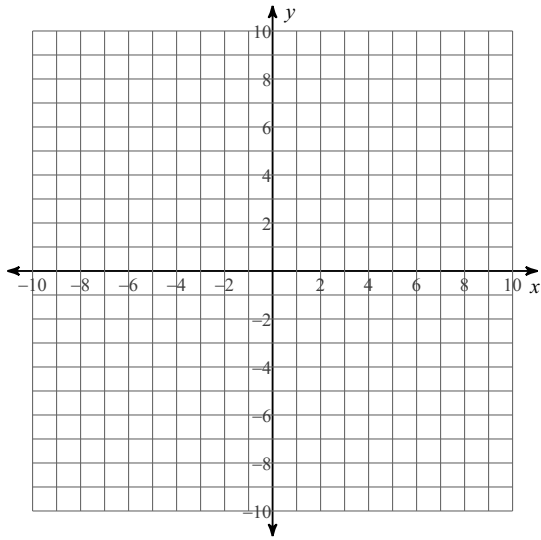


16) $y < -\frac{1}{8}x - 4$
 $y \leq -x + 3$



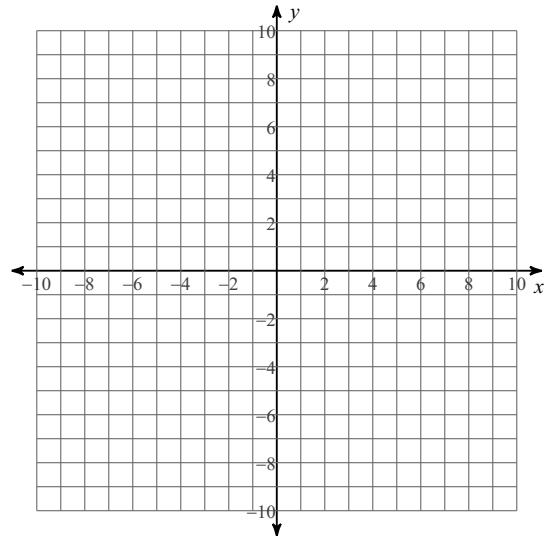
$$17) y < \frac{1}{2}x + 7$$

$$y \geq -\frac{5}{2}x + 1$$



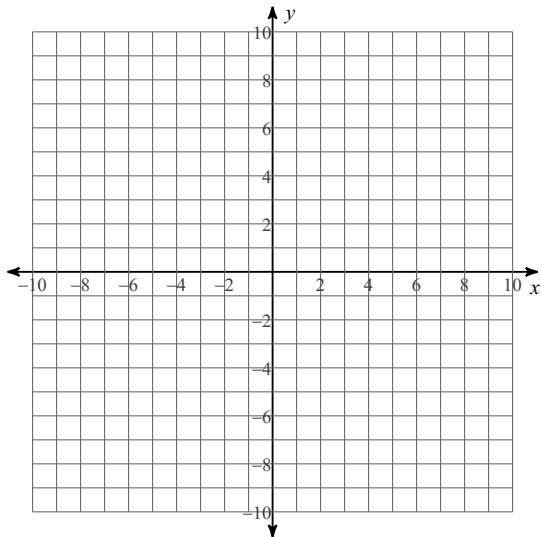
$$18) y > \frac{1}{5}x - 7$$

$$y \leq 3x + 7$$



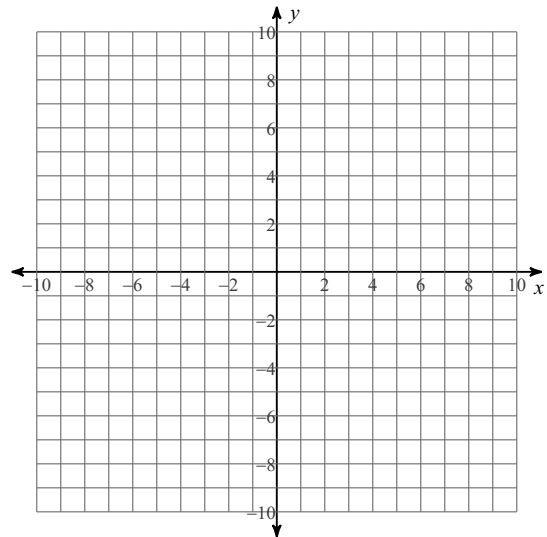
$$19) y > -\frac{11}{3}x + 5$$

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



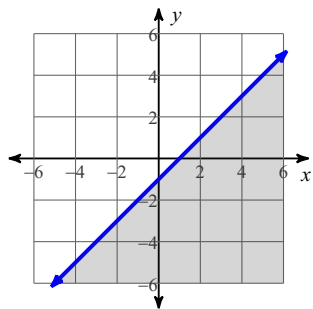
$$20) y > \frac{4}{5}x + 5$$

$$y > -\frac{9}{5}x - 8$$

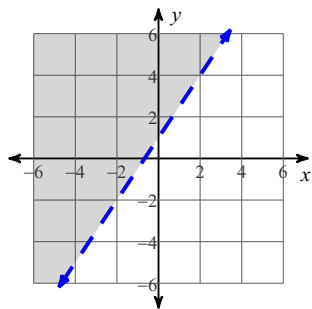


Answers to Graphing Linear Inequalities & Systems of Inequalities

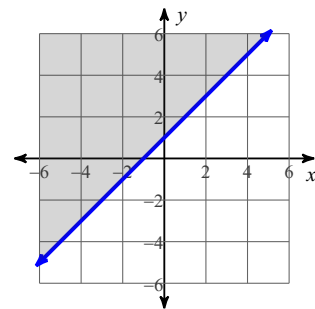
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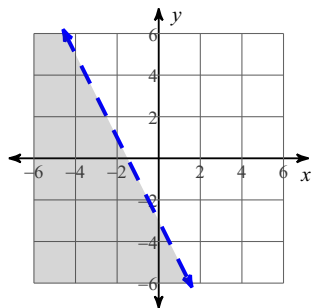
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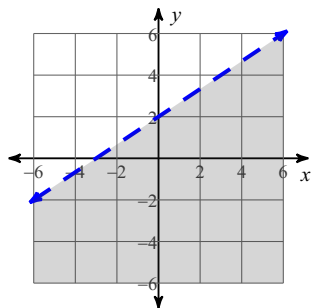
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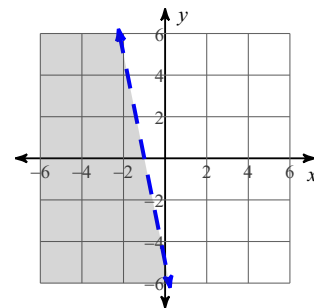
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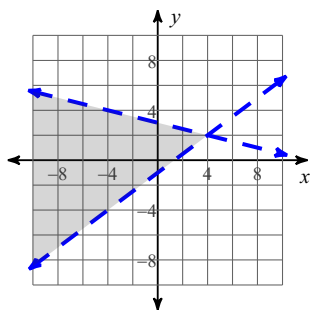
9)



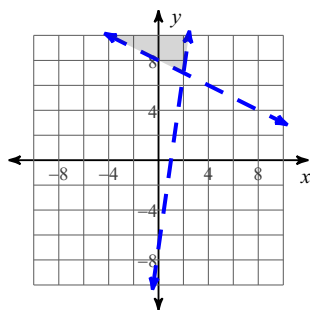
11)



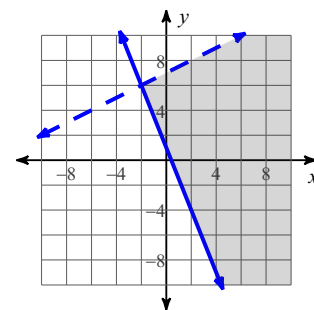
13)



15)



17)



19)

