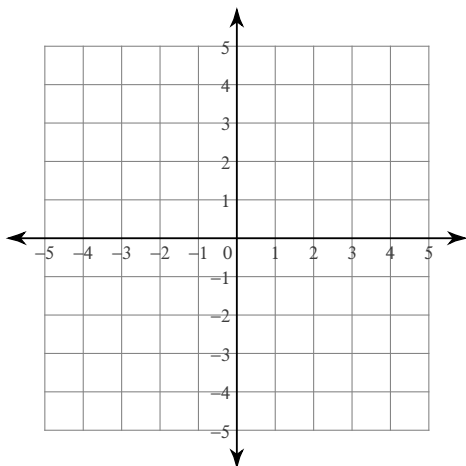


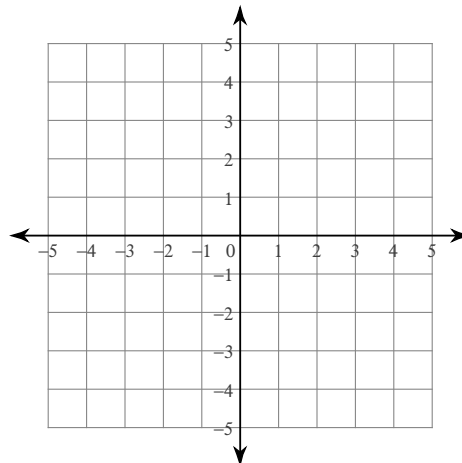
SYSTEMS OF INEQUALITIES

Sketch the solution to each system of inequalities.

1) $y \leq x + 2$
 $y \leq -4x - 3$

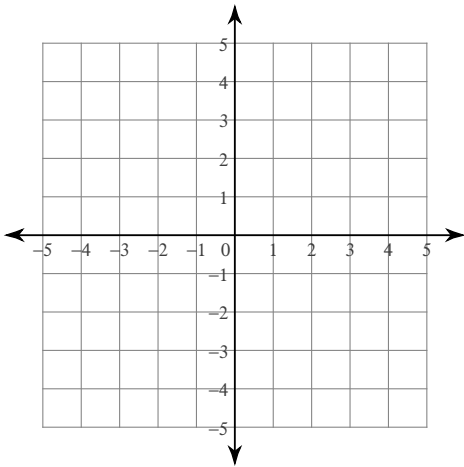


2) $y \geq \frac{2}{3}x - 1$
 $y > 2x + 3$



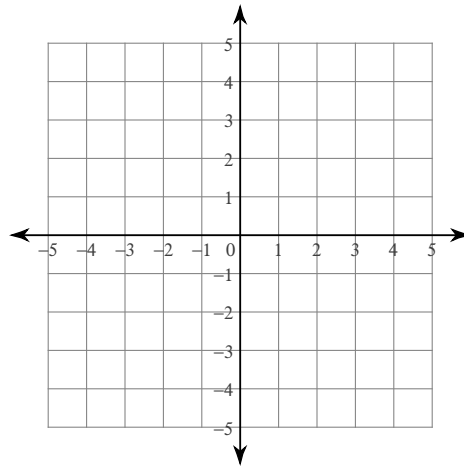
$$3) y \geq -\frac{2}{3}x - 1$$

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

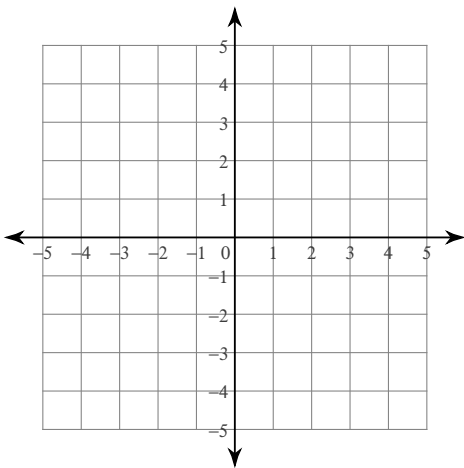


$$4) y \leq -\frac{1}{3}x + 1$$

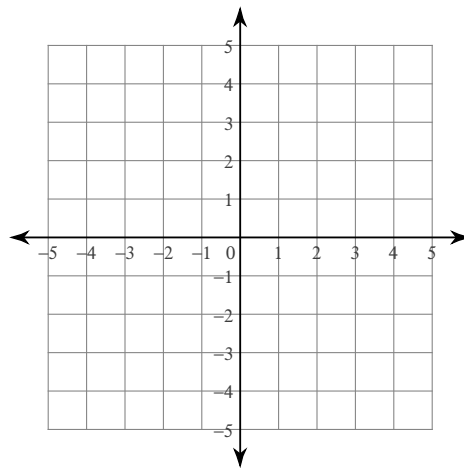
$$y < \frac{1}{3}x + 3$$



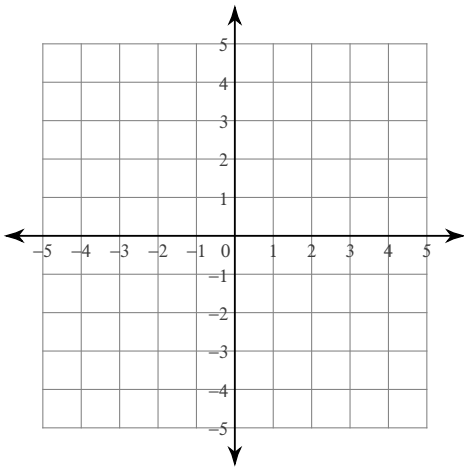
$$5) y > -2$$
$$y > -3x + 1$$



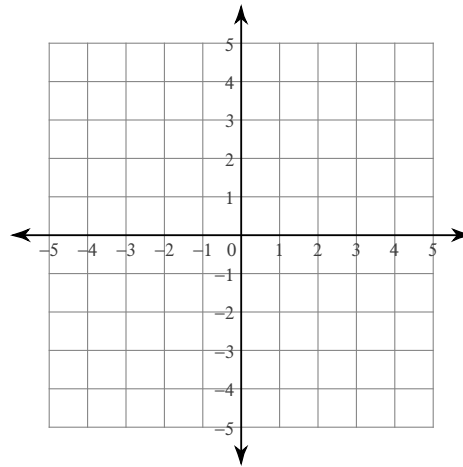
$$6) y \leq -6x + 3$$
$$y < -x - 2$$



7) $y \leq 2x - 1$
 $y > -2x + 3$

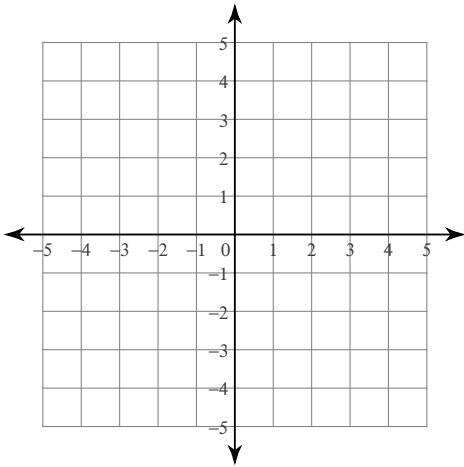


8) $y < \frac{1}{2}x - 2$
 $y \leq \frac{5}{2}x + 2$



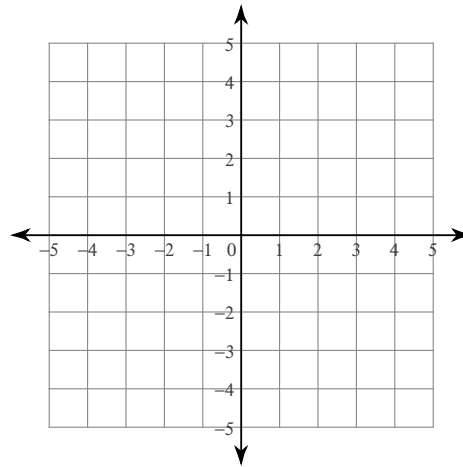
$$9) y \leq -2x - 2$$

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



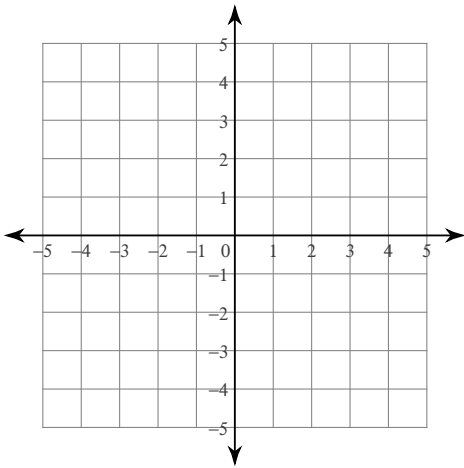
$$10) y \geq -\frac{5}{3}x - 2$$

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



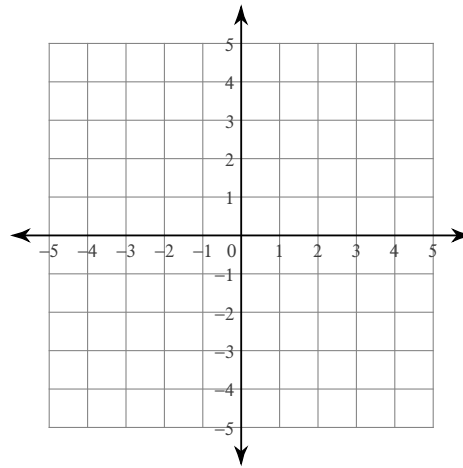
$$11) x + y > 2$$

$$x - 3y > 6$$

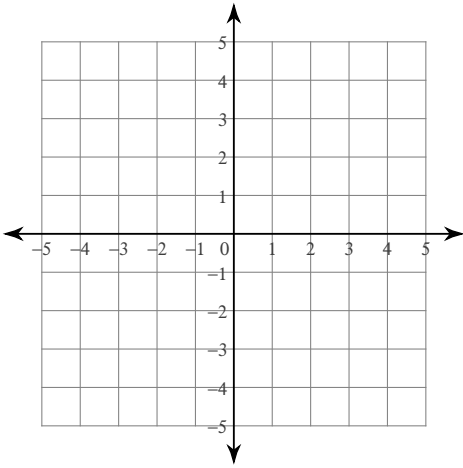


$$12) 2x - 3y > 3$$

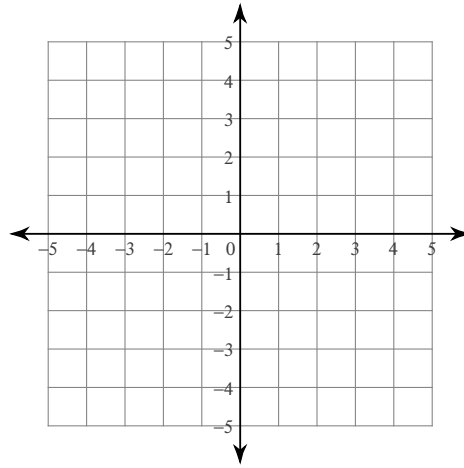
$$2x - y > -3$$



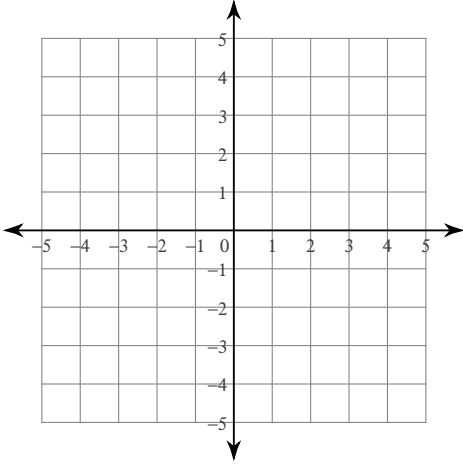
13) $2x - y > -1$
 $x - 2y \geq 4$



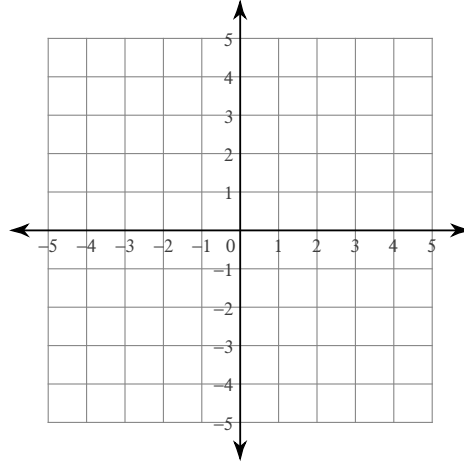
14) $5x - y < 2$
 $y \geq 3$



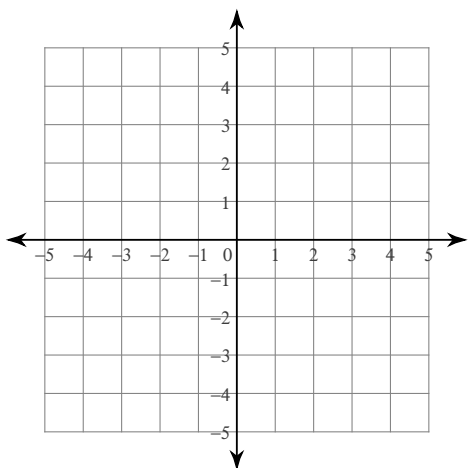
15) $x - y < 1$
 $5x - y \leq -3$



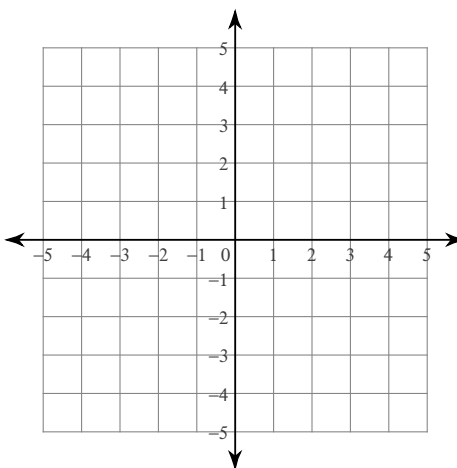
16) $x + y \leq -1$
 $x < -2$



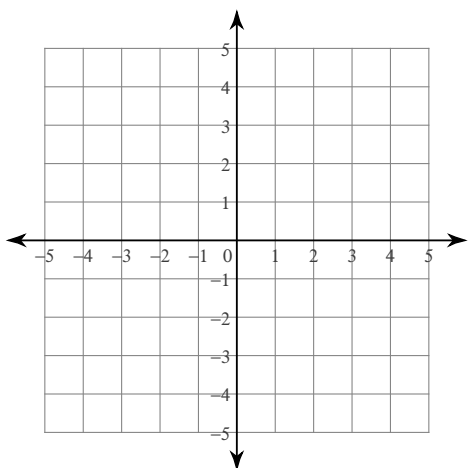
17) $2x + y < 2$
 $x - 2y > 6$



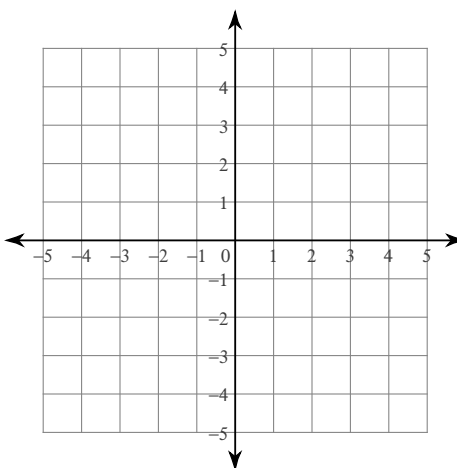
18) $x + 2y < -6$
 $x - 2y \geq 2$



19) $x - y \leq -1$
 $5x - y < 3$

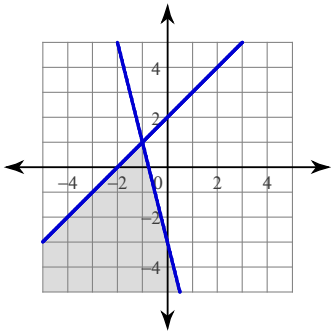


20) $x + 2y > 4$
 $x < 2$

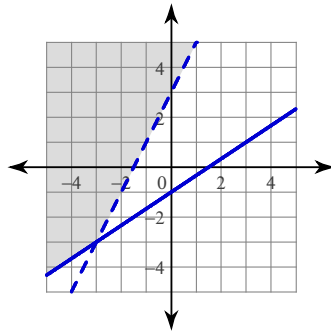


Answers to SYSTEMS OF INEQUALITIES

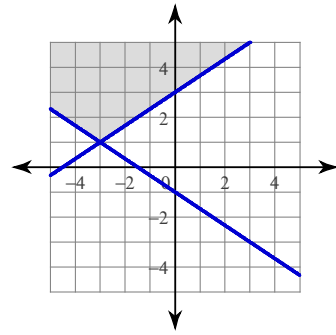
1)



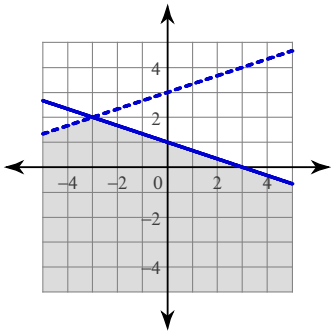
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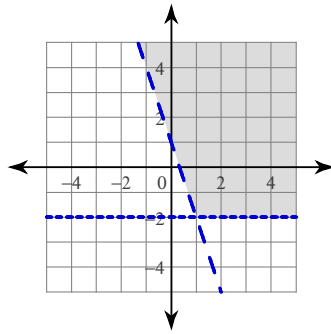
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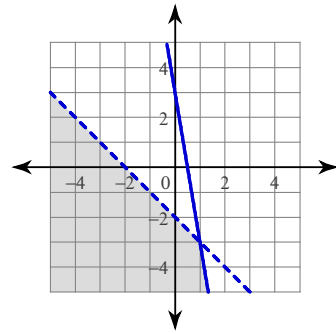
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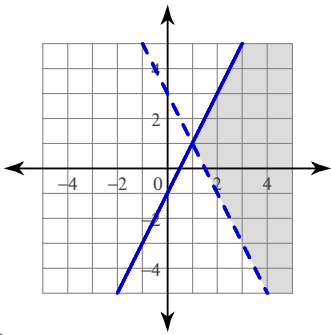
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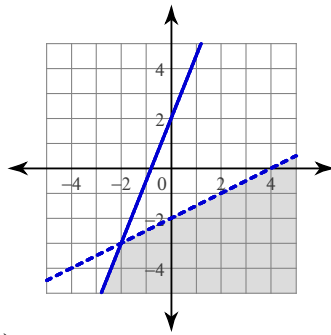
6)



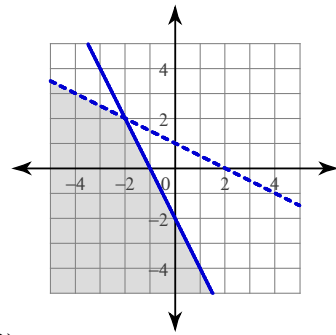
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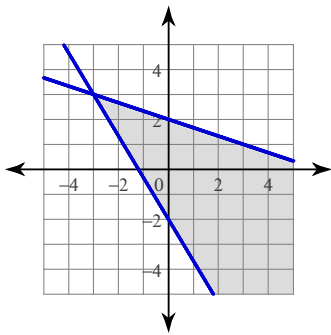
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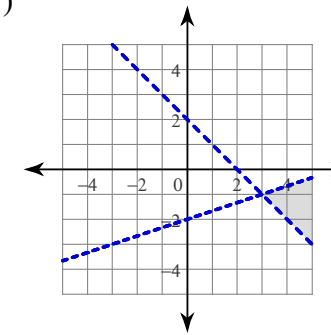
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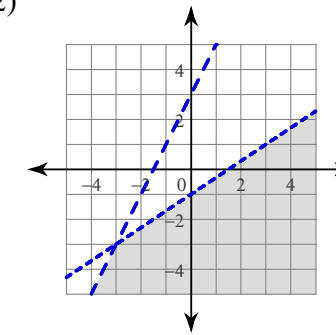
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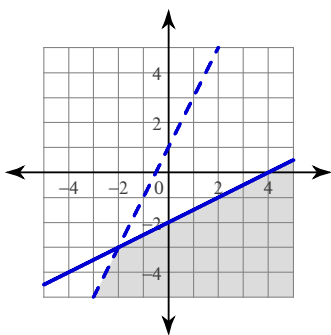
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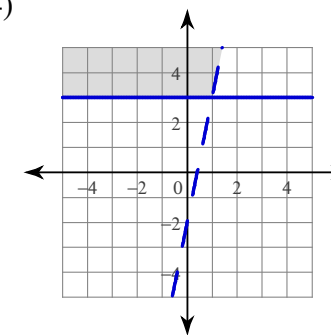
12)



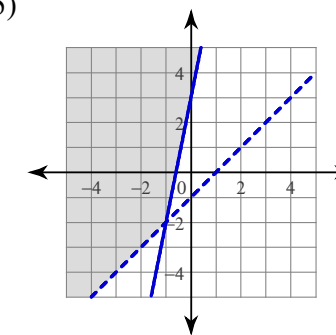
13)



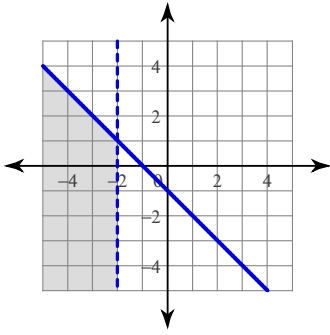
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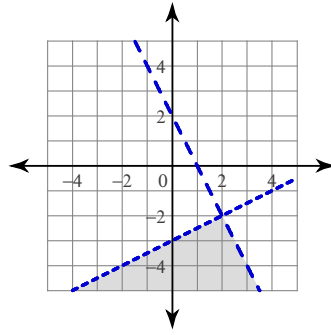
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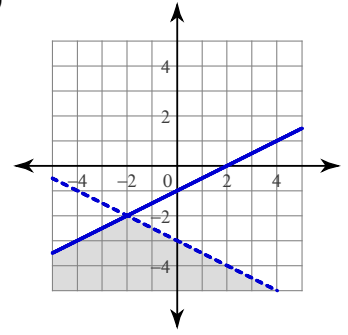
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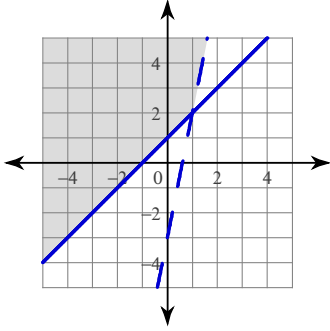
17)



18)



19)



20)

