



# Algebra 2

## Topic 3 // Inequalities A

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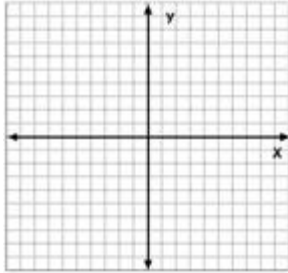
P: 1 2 3 4 5 6

Standards: 12.0

Holt: 3-3 Graphing Inequalities p. 199

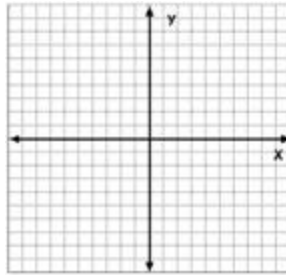
1.  $y \geq 4x - 4$

$$y \geq 3x - 3$$



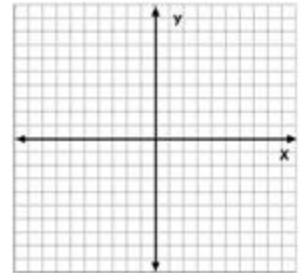
2.  $x + y > 5$

$$x - y < -3$$



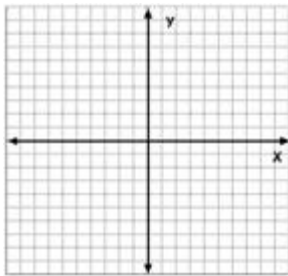
3.  $7x < y - 6$

$$y \leq -5x - 2$$



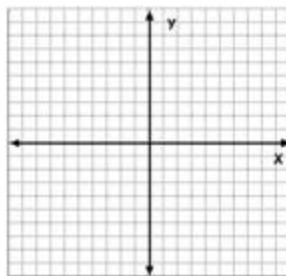
4.  $2x + 2y \leq 4$

$$3x - y > 1$$



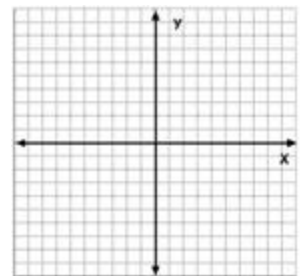
5.  $5x - y > 0$

$$y < x$$



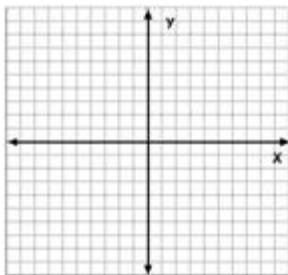
6.  $3y \geq 2x - 3$

$$y \geq 3x + 8$$



7.  $y > 4$

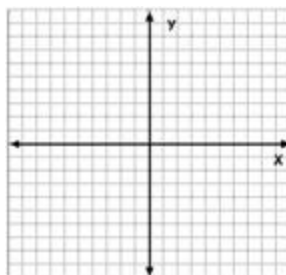
$$x + 4y \geq 8$$



8.  $y \leq 7$

$$2x - y \leq 3$$

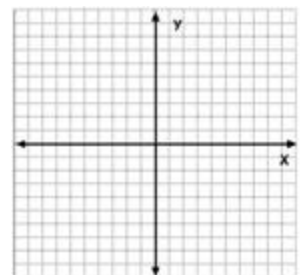
$$x + 2y \geq -6$$



9.  $x \leq -1$

$$y \leq 3x + 2$$

$$y \geq -3x - 10$$

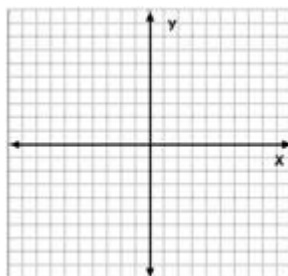


10.  $y \geq x$

$$y \leq x + 6$$

$$x \leq 6$$

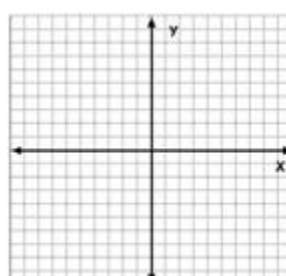
$$x \geq -2$$



11.  $x \leq -1$

$$y \leq 3x + 2$$

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



12.  $x \geq -9$

$$y \geq -8$$

$$x \leq 3$$

$$y \leq -4$$

