

Quiz 16 Practice

Date _____ Period _____

Write the slope-intercept form of the equation of the line through the given point with the given slope.

1) through: $(1, -5)$, slope = 0

2) through: $(-3, -4)$, slope = $\frac{1}{3}$

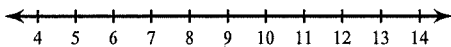
Write the slope-intercept form of the equation of the line through the given points. First find the slope!

3) through: $(0, -3)$ and $(-5, 2)$

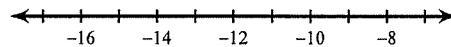
4) through: $(-2, -3)$ and $(2, -5)$

Solve each inequality and graph its solution.

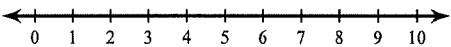
5) $1 \geq n - 7$



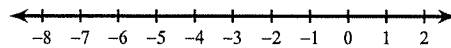
6) $b + 9 \leq -2$



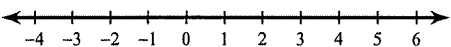
7) $\frac{r}{2} > 3$



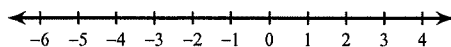
8) $-12n > 72$



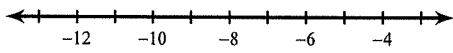
9) $-b + 2 + 4 \leq 3$



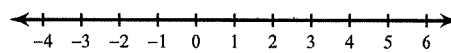
10) $-5p - 2p \leq 7$



$$11) 2x - 5x \geq 12 + x - 6 - 3x$$

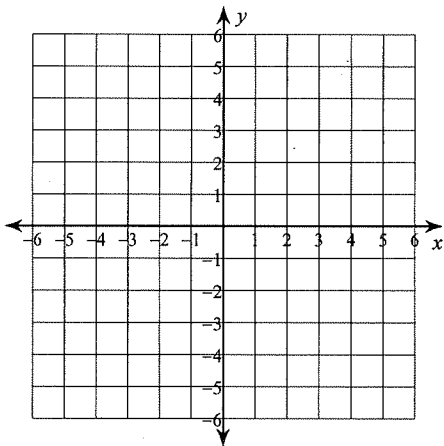


$$12) 2 + 7a + 2 - 4a > -5a + 4a$$

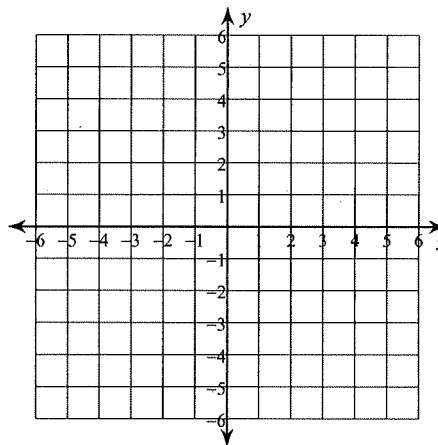


Sketch the graph of each linear inequality.

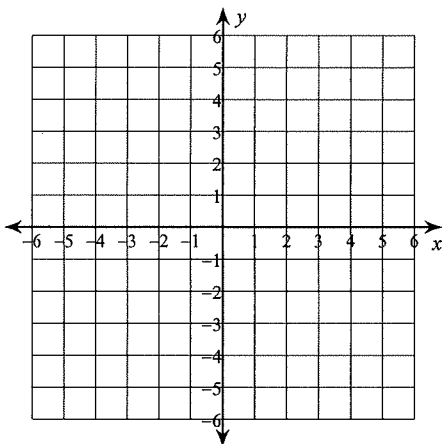
$$13) y \leq -\frac{1}{2}x + 4$$



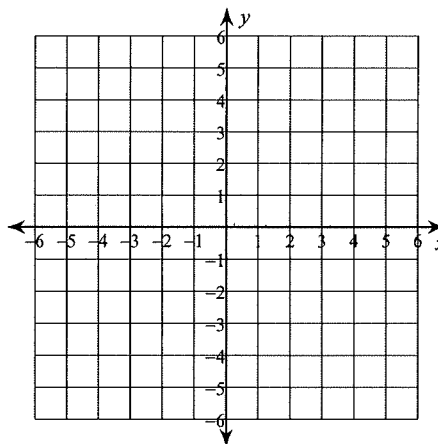
$$14) y > -2x + 2$$



$$15) 5x + 2y \leq 10$$



$$16) x - 4y > -20$$



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 $y = -5$

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

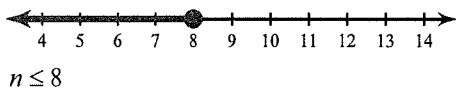
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 $y = -x - 3$

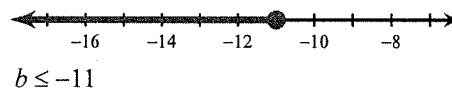
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 $y = -\frac{1}{2}x - 4$

Solve each inequality and graph its solution.

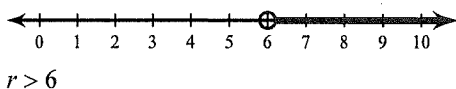
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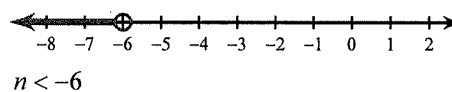
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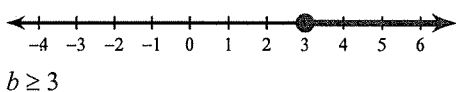
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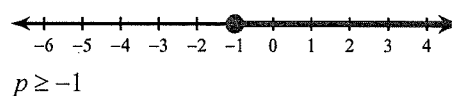
8) $-12n > 72$



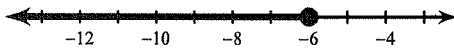
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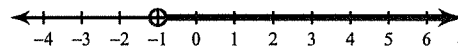


$$11) 2x - 5x \geq 12 + x - 6 - 3x$$



$$x \leq -6$$

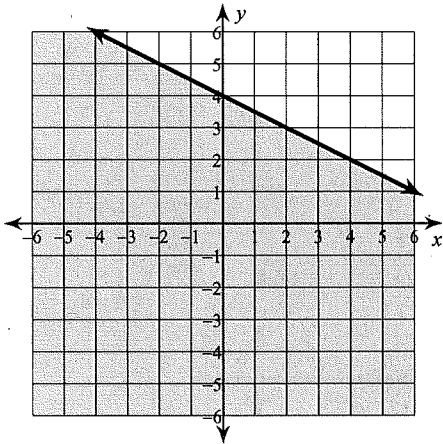
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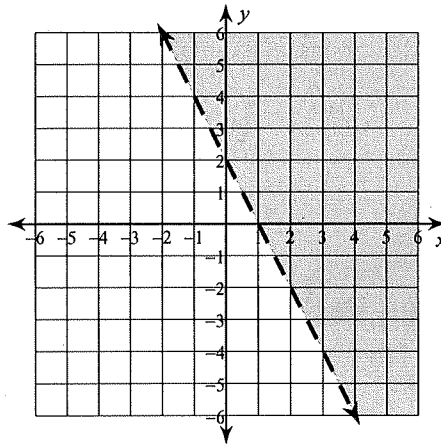
$$a > -1$$

Sketch the graph of each linear inequality.

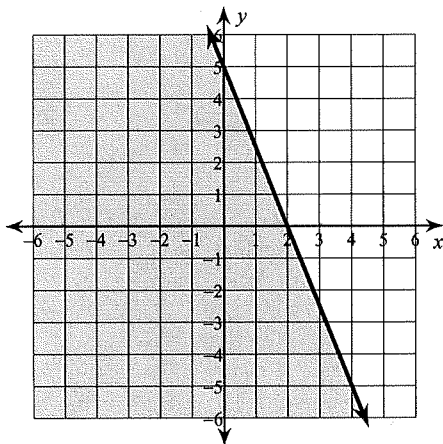
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