

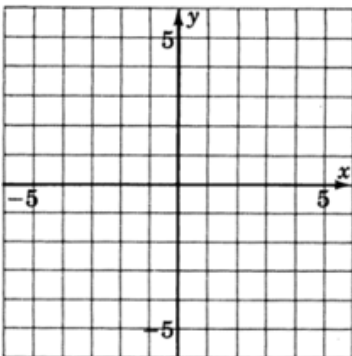
**ALGEBRA 1**  
**WS 6-5**

Name \_\_\_\_\_

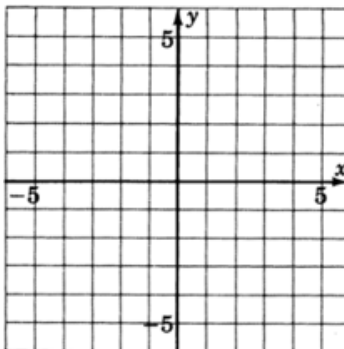
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**Graph each inequality. Show work and rewrite inequalities when necessary.**

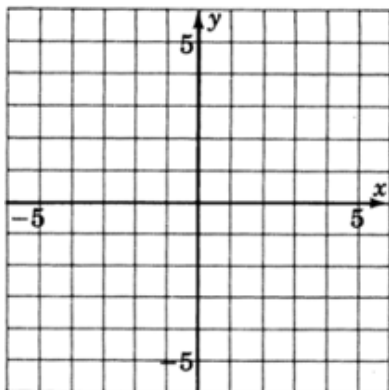
1.  $x \geq -5$



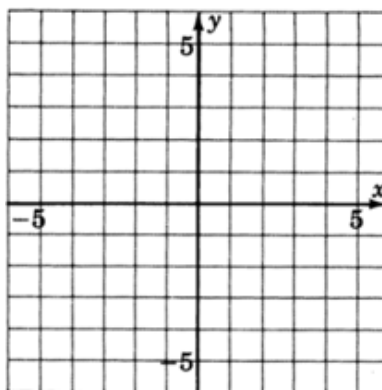
2.  $y < 3$



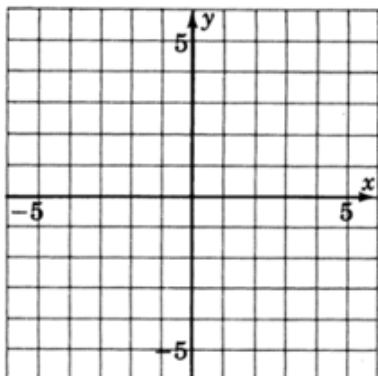
3.  $y > 3x - 4$



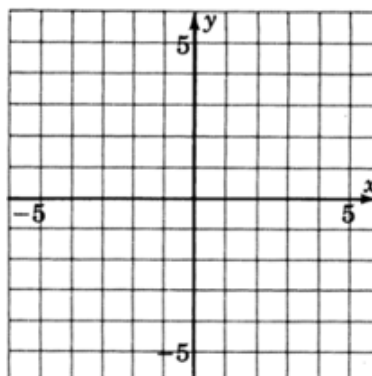
4.  $y \leq -\frac{3}{4}x + 2$



5.  $3x - 4y > 12$



6.  $9x - 6y \leq -18$



Determine if the ordered pair is a solution to the inequality.

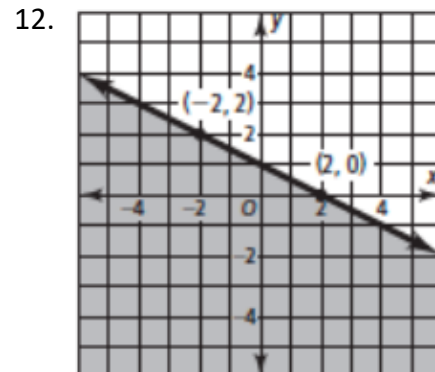
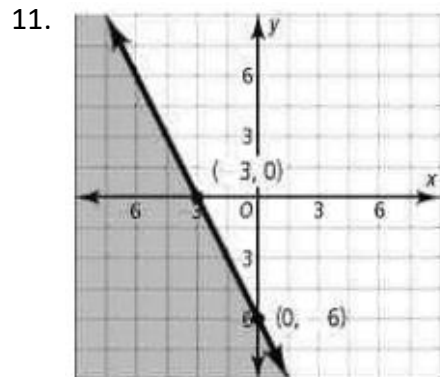
7.  $4x + 3y > -2$ ;  $(-3, -1)$

8.  $y \leq 2x - 3$ ;  $(-1, -4)$

9.  $y < -3x + 1$ ;  $(-3, 5)$

10.  $2x - 4y > 5$ ;  $(5, -1)$

Write the linear inequality represented in each graph.



13. A friend has \$75 to buy some new shirts and pants. Each shirt  $s$  costs \$15, and each pair of pants  $p$  costs \$20.

a. Write an inequality that represents the number of shirts and pants that your friend can buy.

b. Graph the inequality that you wrote in (a)

