

**Algebra**  
**Unit 6**  
**Day 10 : Homework**

Name \_\_\_\_\_

Date \_\_\_\_\_

Determine if each ordered pair is a solution of the inequality.

1.  $x - y > 3$  ;  $(2, -1), (5, 1)$

2.  $3x - 5y \leq -4$  ;  $(-1, -1), (4, 0)$

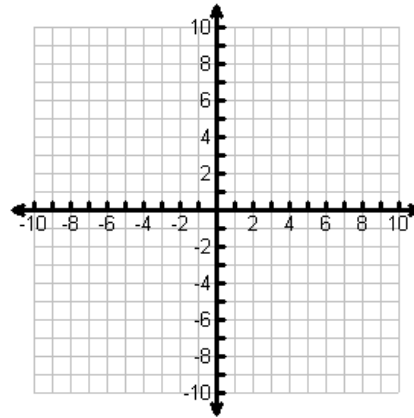
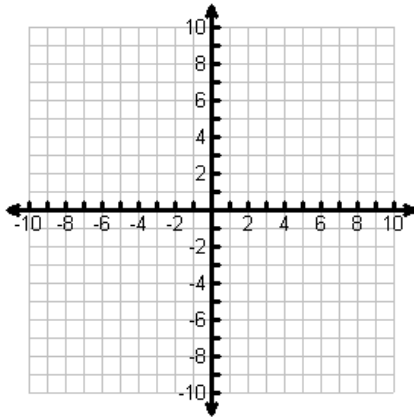
3.  $x < -y$  ;  $(0, 2), (-5, 1)$

4.  $y > 8$  ;  $(10, -11), (-12, 9)$

Graph each inequality.

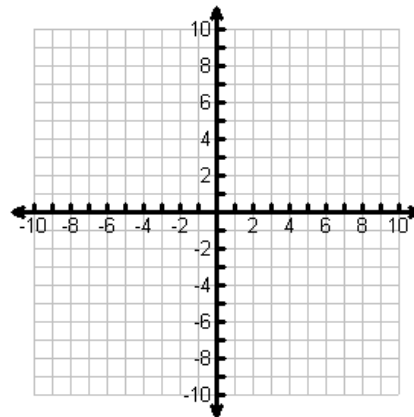
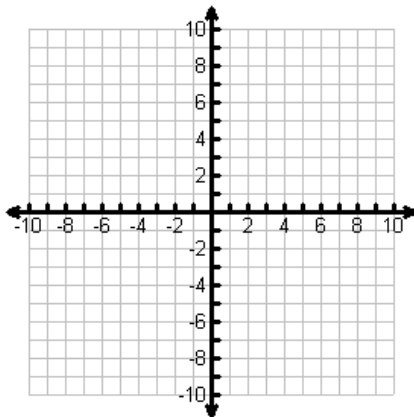
5.  $x + y \leq 1$

6.  $2x + y > -4$



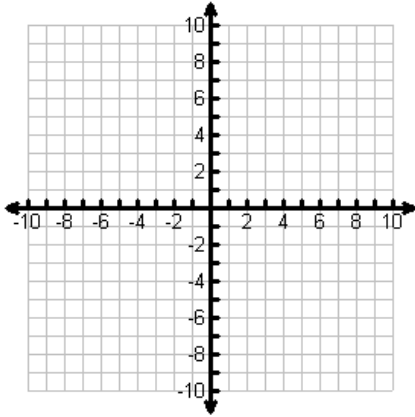
7.  $3x - 6y \leq 6$

8.  $4x + y < 8$

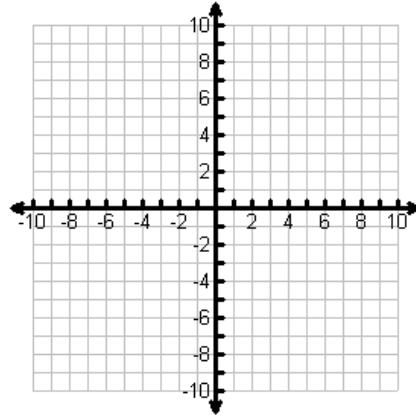


Graph each inequality.

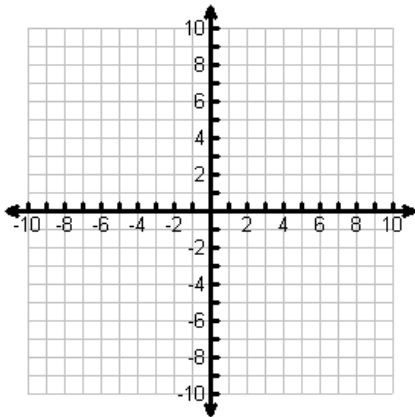
9.  $y \geq 2x$



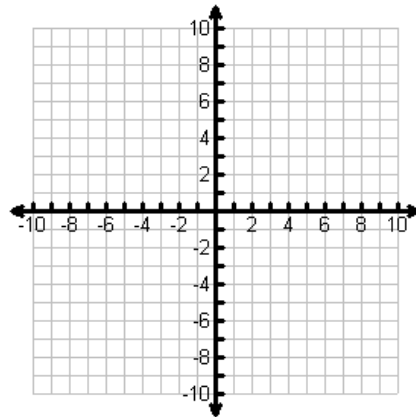
10.  $x \geq 1$



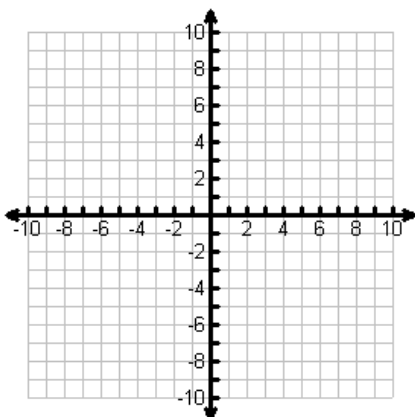
11.  $y < -3$



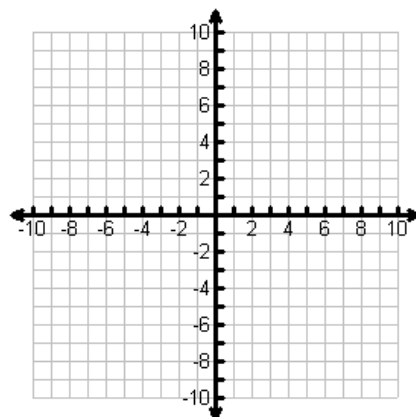
12.  $2x - 7y > 0$



13.  $4y - 3x < -20$



14.  $x > y$

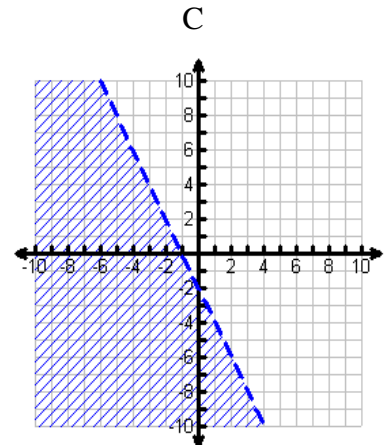
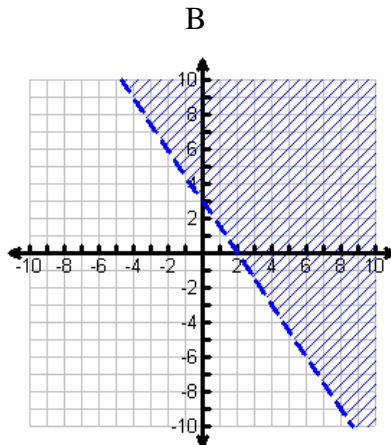
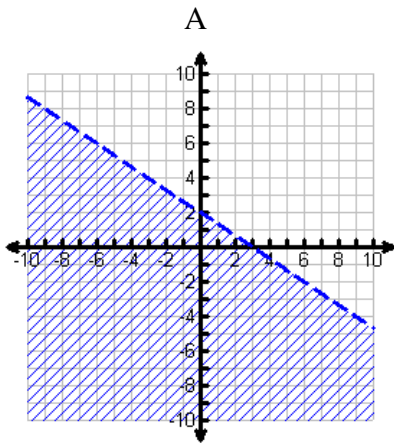


Match each inequality with its graph.

15.  $-y > 2x + 2$  \_\_\_\_\_

16.  $2x + 3y < 6$  \_\_\_\_\_

17.  $3x + 2y > 6$  \_\_\_\_\_

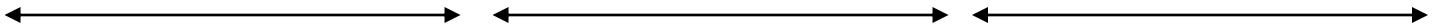


Solve and graph each inequality.

18.  $|3x - 6| > 21$

19.  $|2x + 8| - 12 \leq -6$

20.  $-2|x - 4| + 11 < 5$



Write the absolute value inequality for each graph.

