

Section 7.6 Worksheet

Name: _____

Check whether each ordered pair is a solution of the inequality.

1.) $x - y < 4$

(5,4) Yes / No

(-1,-4) Yes / No

2.) $2x + 3y \leq -3$

(0,-1) Yes / No

(-3,2) Yes / No

3.) $3x - 2y < 2$

(0,0) Yes / No

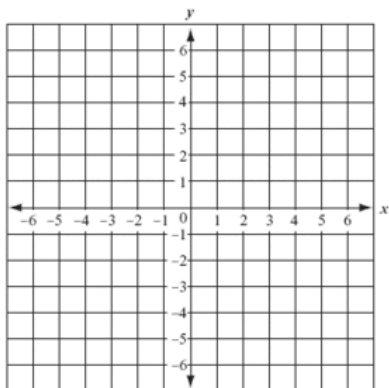
(2,0) Yes / No

Graph the following inequalities. Be sure to fill out the table using test points!

4.) $x < 3$

Test:

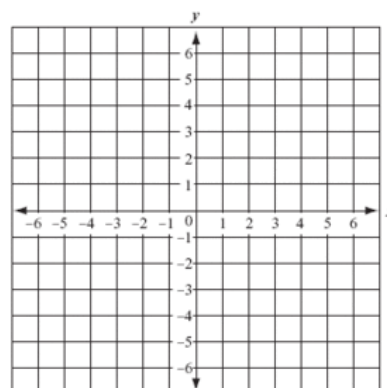
x	y



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

Test:

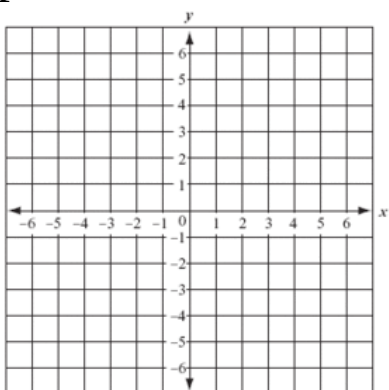
x	y



6.) $3x - y \geq 1$

Test:

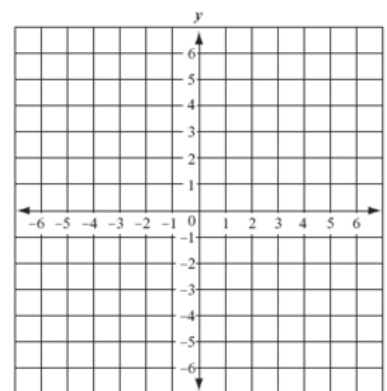
x	y



7.) $2x + 5y < -10$

Test:

x	y



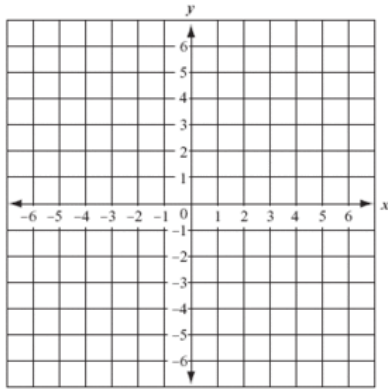
Graph the following system of inequalities. Be sure to fill out the table using test points!

8.) $x > -1$

$x < 1$

Test:

x	y

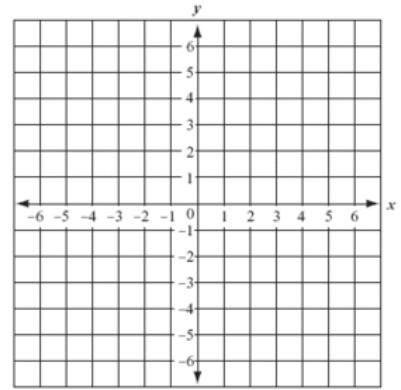


9.) $y \geq 2$

$y < 3$

Test:

x	y

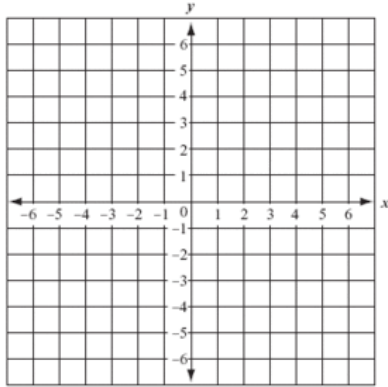


10.) $x + y > 1$

$y \geq x$

Test:

x	y

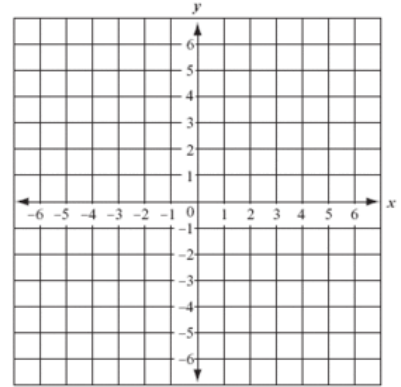


11.) $y + 2 \leq x$

$2x + y < 4$

Test:

x	y

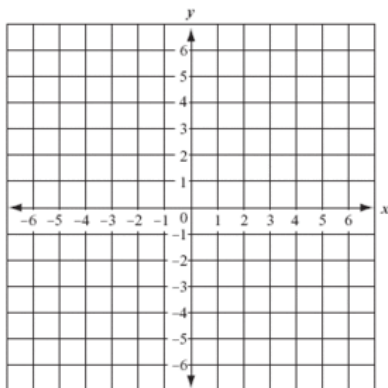


12.) $y \geq 2$

$x + y \leq -3$

Test:

x	y



13.) $x \leq -y$

$2x - y < 4$

Test:

x	y

