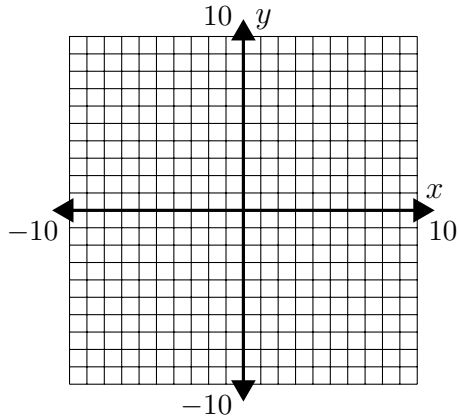


Graphing Worksheet 29

Write each equation in slope-intercept form, graph the line (or dashed line), and shade the appropriate region. Then state whether each given point is a solution to the inequality.

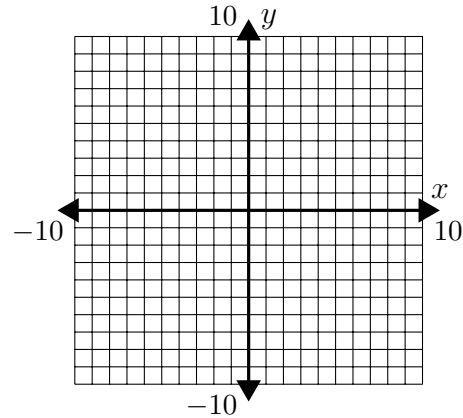
1. $3x - 2y \leq 12$



Test these points:

- (a) (0, 0) (b) (-2, 10)
 (c) (-7, -6) (d) (6, 3)

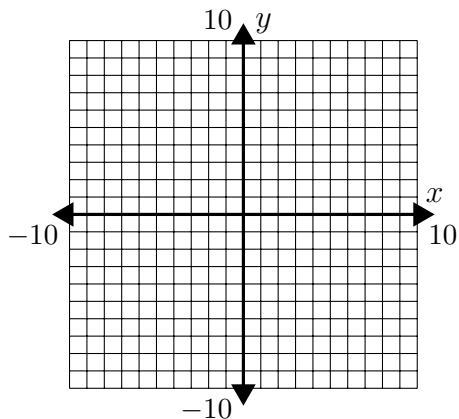
2. $4x - 9y > 81$



Test these points:

- (a) (0, 0) (b) (-2, 6)
 (c) (-6, 10) (d) (0, -9)

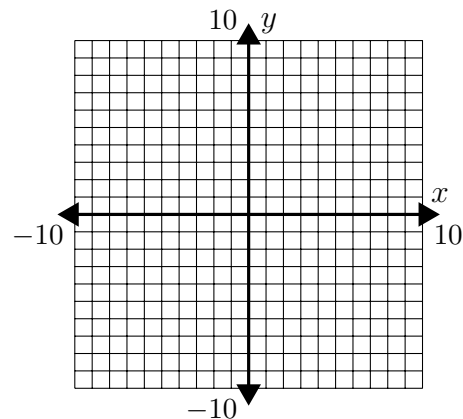
3. $1x + 10y \leq 30$



Test these points:

- (a) (0, 0) (b) (-5, -7)
 (c) (8, 8) (d) (10, 2)

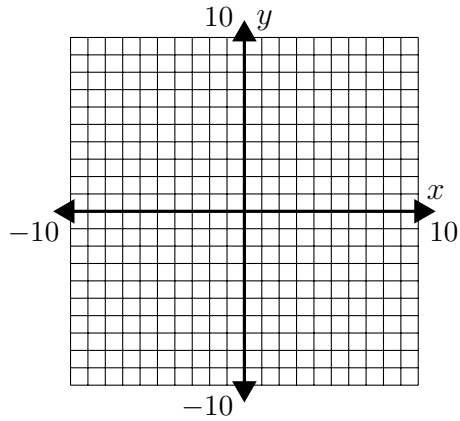
4. $2x \geq -6$



Test these points:

- (a) (0, 0) (b) (10, 1)
 (c) (-3, 8) (d) (0, -9)

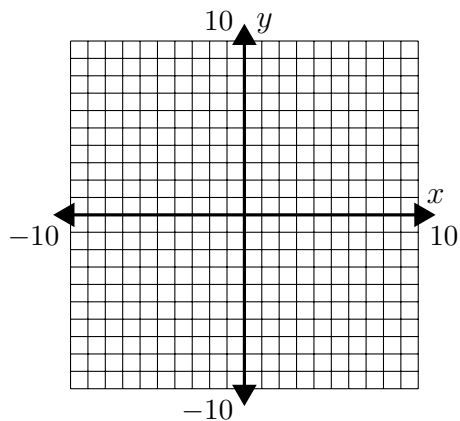
5. $-5x - 2y > -8$



Test these points:

- (a) (0, 0) (b) (2, -1)
 (c) (7, 0) (d) (-8, 6)

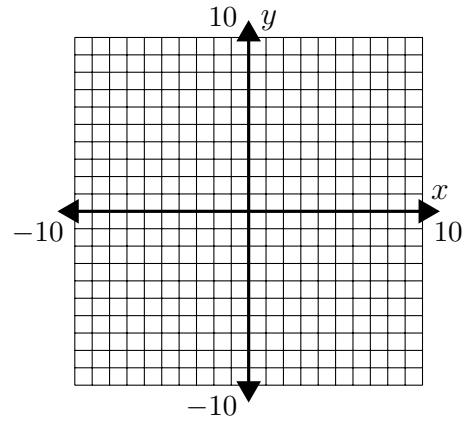
7. $-x - 8y \leq 64$



Test these points:

- (a) (0, 0) (b) (-8, -7)
 (c) (4, 3) (d) (-2, -4)

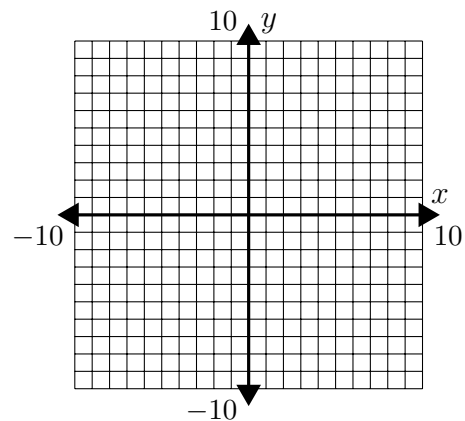
6. $6x - 2y > 6$



Test these points:

- (a) (0, 0) (b) (9, 3)
 (c) (-7, 8) (d) (1, 0)

8. $-3x - 5y \geq -5$



Test these points:

- (a) (0, 0) (b) (5, -2)
 (c) (-4, 2) (d) (0, 1)