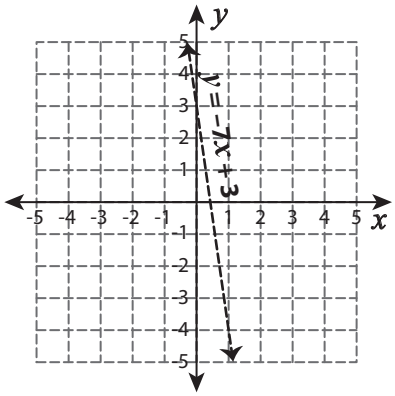
Name : _____

Graphing Linear Inequalities

Sheet 3

1) a) Shade the half-plane that contains the point (–1, 1).



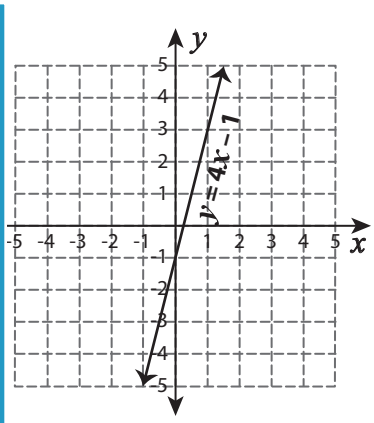
b) Write the inequality that represents the graph.

_____

c) Is (0, 3) a solution of $y < -7x + 3$?

_____

2) a) Shade the half-p



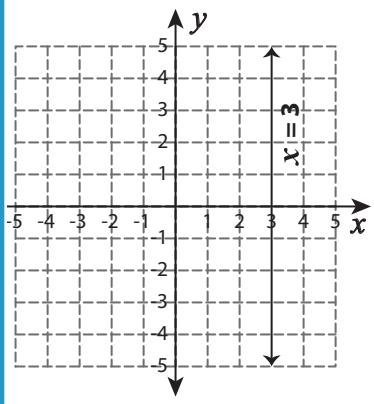
b) Write the inequa

_____

c) Is (2, –2) a soluti

_____

3) a) Shade the half-p



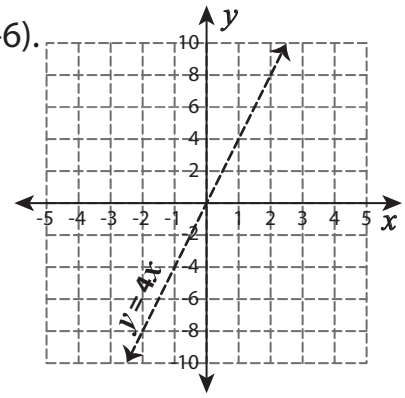
b) Write the inequa

_____

c) Is (4, –4) a soluti

_____

4) a) Shade the half-plane that does not contain the point (–4, –6).



b) Write the inequality that represents the graph.

_____

c) Is (–3, 4) a solution of $y > 4x$?

_____

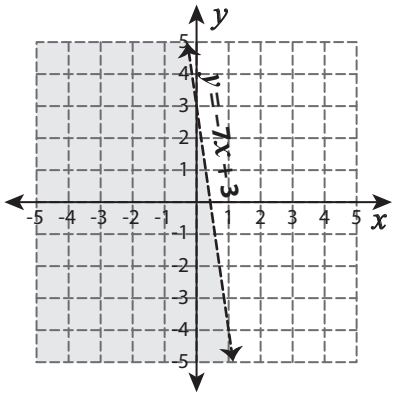
Name : _____

Answer key

Graphing Linear Inequalities

Sheet 3

1) a) Shade the half-plane that contains the point (–1, 1).



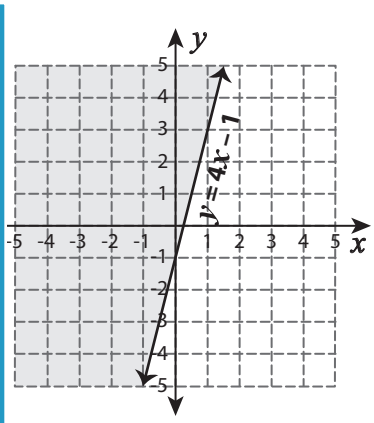
b) Write the inequality that represents the graph.

$y < -7x + 3$

c) Is (0, 3) a solution of $y < -7x + 3$?

No

2) a) Shade the half-p



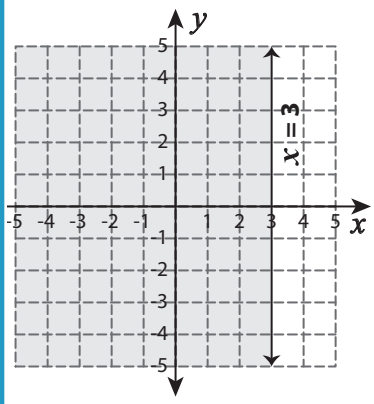
b) Write the inequa

$y \geq 4x -$

c) Is (2, –2) a soluti

Yes

3) a) Shade the half-p



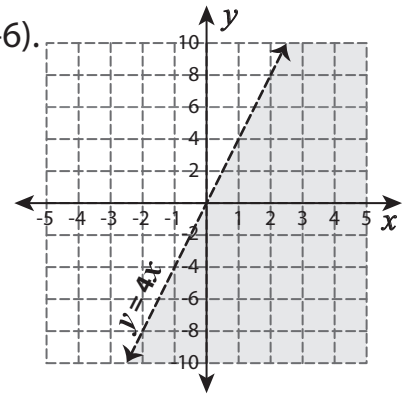
b) Write the inequa

$x \leq 3$

c) Is (4, –4) a soluti

No

4) a) Shade the half-plane that does not contain the point (–4, –6).



b) Write the inequality that represents the graph.

$y < 4x$

c) Is (–3, 4) a solution of $y > 4x$?

Yes