

Name : \_\_\_\_\_

# Graphing Linear Inequalities

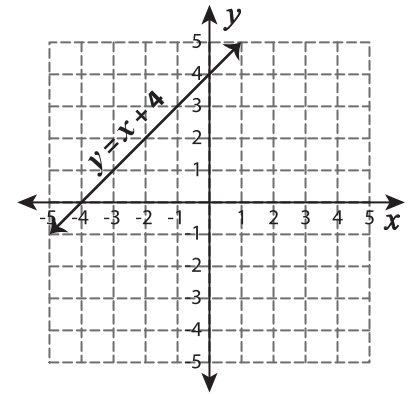
1) a) Shade the half-plane that contains the point  $(-2, 0)$ .

b) Write the inequality that represents the graph.

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c) Is  $(-5, -4)$  a solution of  $y \leq x + 4$ ?

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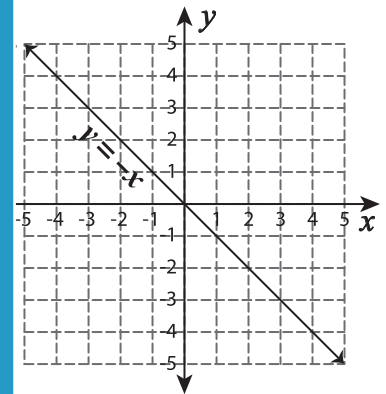
2) a) Shade the half-plane that does not contain the point  $(-2, 0)$ .

b) Write the inequality that represents the graph.

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c) Is  $(-2, -3)$  a solution of  $y < -x + 2$ ?

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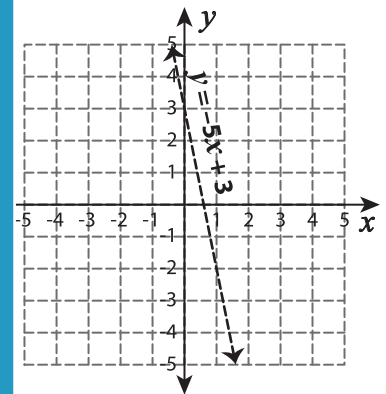
3) a) Shade the half-plane that does not contain the point  $(1, 5)$ .

b) Write the inequality that represents the graph.

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c) Is  $(1, 5)$  a solution of  $y < -5x + 3$ ?

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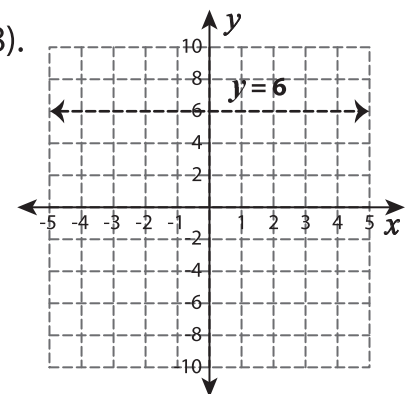
4) a) Shade the half-plane that does not contain the point  $(-5, 8)$ .

b) Write the inequality that represents the graph.

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c) Is  $(2, -1)$  a solution of  $y > 6$ ?

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