

Name

6-9A

Lesson Master

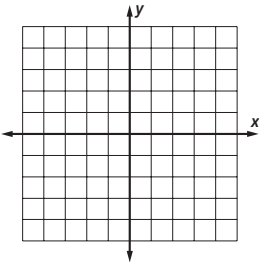
Questions on SPUR Objectives  
See pages 392–395 for objectives.

REPRESENTATIONS

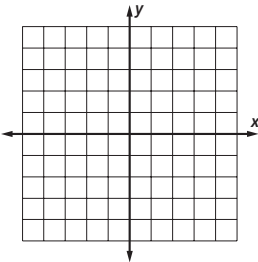
Objective I

In 1–6, graph all points  $(x, y)$  that satisfy the inequality.

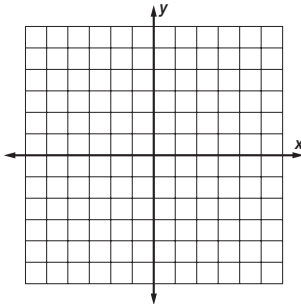
1.  $x \geq -3$



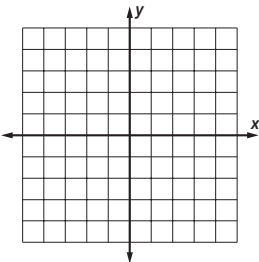
2.  $y < 7$



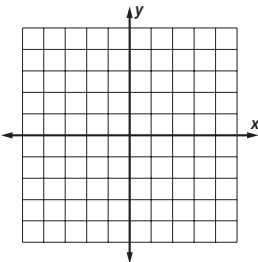
3.  $y > 3x - 5$



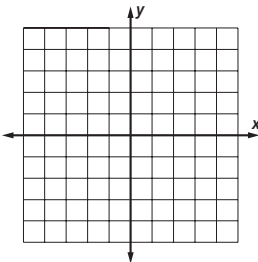
4.  $y \leq 2 + \frac{1}{2}x$



5.  $3x + 4y < 10$



6.  $9x - 9y \geq 63$



7. A box of herbal tea contains 20 bags. Each cup requires 1 tea bag and each pitcher requires 4 tea bags.

a. Write an inequality that gives the maximum number of cups  $c$  and pitchers  $p$  that can be brewed from 1 box of tea bags.

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b. Give two possible combinations of  $c$  and  $p$ .

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