

Name _____

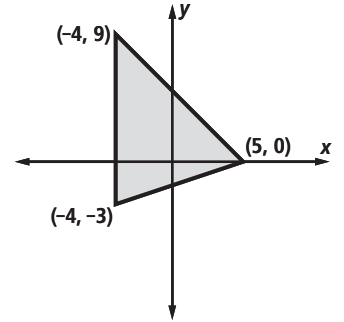
5-8A Lesson Master

Questions on SPUR Objectives
See Student Edition pages 367–371 for objectives.

PROPERTIES Objective E

In 1-3, tell whether the given point is in the solution set.

1. $(-3, 7)$ _____
2. $(2, -2)$ _____
3. $(0, 5)$ _____

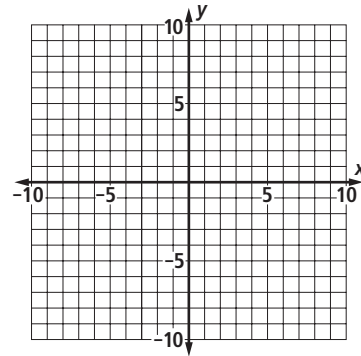
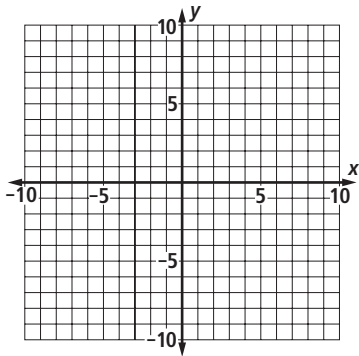


REPRESENTATIONS Objective K

In 4 and 5, a system of inequalities is given. Graph the solution set, and find the coordinates of each vertex of the feasible region.

4.
$$\begin{cases} y > -4 \\ x < 6 \\ y < 2x - 2 \end{cases}$$

5.
$$\begin{cases} x \geq 0 \\ y \leq -\frac{2}{3}x + 2 \end{cases}$$



In 6 and 7, Laurel makes key chains and candles to sell at craft fairs. A keychain takes her 10 minutes to make and requires \$0.75 in materials. A candle takes 15 minutes to make and requires \$0.50 in materials. She has 2 free hours and \$5 to spend on materials.

6. Write a system of linear inequalities to describe the number of key chains K and candles C that she can make.

7. Graph your system at the right.

