

### 8-5 Determining Solutions to Systems

Name \_\_\_\_\_

Per. \_\_\_\_

1. Without graphing, determine if  $(-2, -3)$  is a solution to the following system.

$$x + y < 4$$

$$y \geq -5x - 2$$

$$y \leq \frac{1}{2}(x - 2) + 4$$

2. Without graphing, determine if  $(0, 3)$  is a solution to the following system.

$$4x + 3y \leq 12$$

$$y < 5x + 2$$

$$y > \frac{2}{5}(x + 4) - 8$$

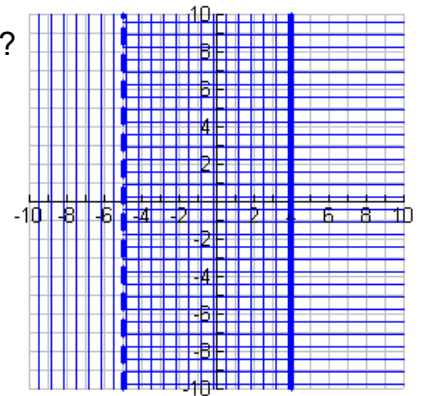
3. Which point(s) are solutions to the system graphed to the right?

A.  $(-5, 7)$

B.  $(7, 3)$

C.  $(4, 7)$

D.  $(-2, -1)$



Answer(s): \_\_\_\_\_

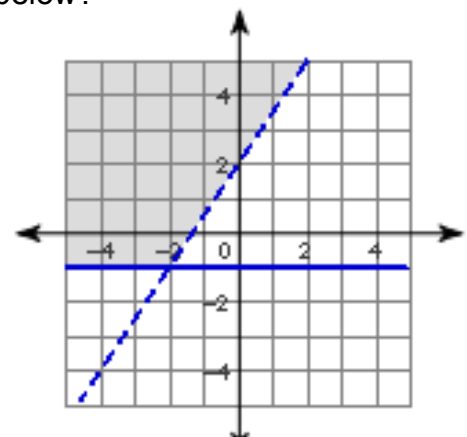
4. Which point(s) are solutions to the system graphed below?

A.  $(-2, -1)$

B.  $(-4, -1)$

C.  $(2, 5)$

D.  $(-2, 0)$



Answer(s): \_\_\_\_\_