Section 7.5 Worksheet

Name: _____

Tell how many solutions the system has.

1.

2.

3.
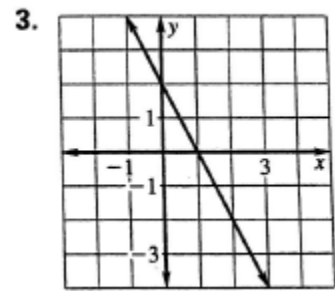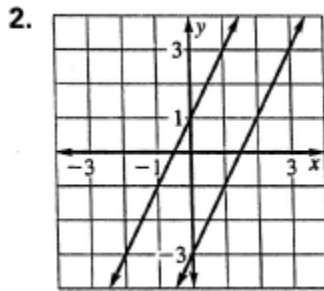

4.

5.

6.
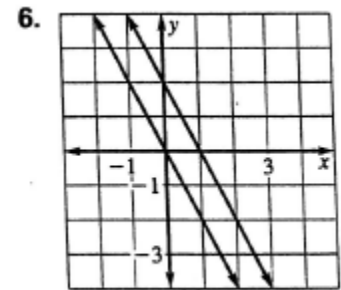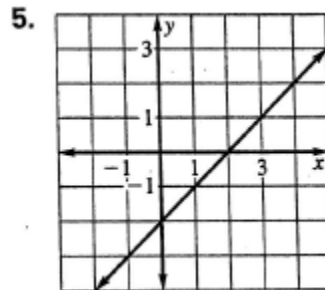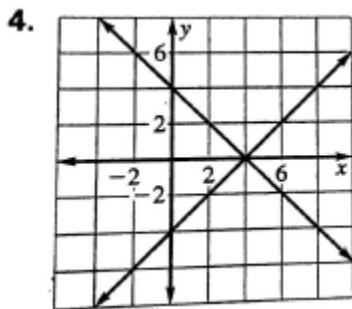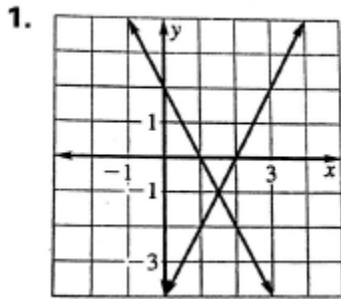
Use the graphing method to tell how many soultions the system has.

7.) $x - y = 5$

  $x - y = 2$
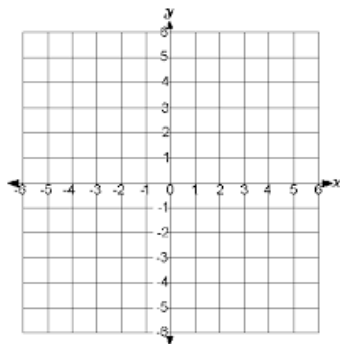
8.) $-3x - 2y = 6$

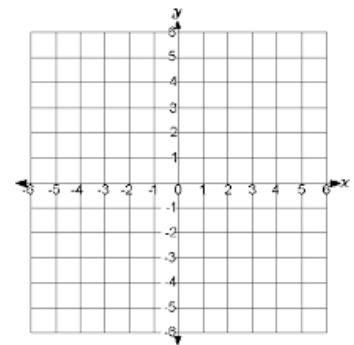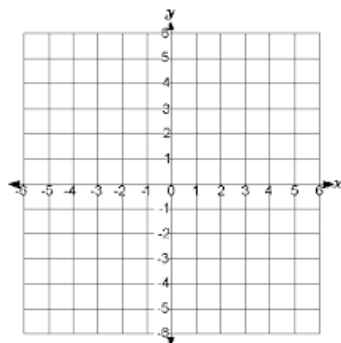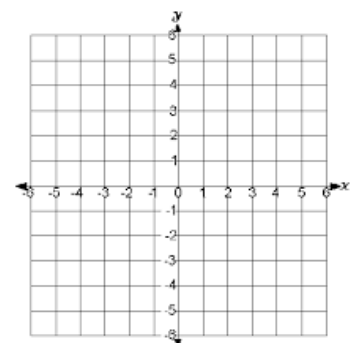 $-6x + 4y = -12$

9.) $2x + y = 4$

  $-4x - 2y = -8$

10.) $x - y = 2$

  $-2x + 2y = 2$

Use substitution or elimination to solve the linear system and tell how many solutions the system has.

11.) $-8x + 8y = -6$

$3x - 3y = 8$

12.) $-6x - 6y = -12$

$-2x - 2y = -4$

13.) $-4x - 2y = 2$

$4x - 2y = 18$

14.) $3x - 2y = -5$

$-9x + 6y = 15$

15.) **Describe the graph of a linear system that has no solution:** _____
_____
_____

16.) **Describe the graph of a linear system that has infinitely many solution:** _____
_____
_____