Where Do High Jumpers Store Their Valuables?

Write the letter of each answer in the box containing the exercise number.

Solve the system of linear equations with a method of your choice.

$$y = x$$

1.
$$y = 2x - 1$$

$$y = -x$$

2.
$$y = 3x - 4$$

$$y = 5x - 6$$

3.
$$y = 4x - 2$$

$$x + y = 7$$

4.
$$7x + y = 1$$

$$-8x + y = 9$$

$$x - y = 0$$

5.
$$5x - y = 3$$

6.
$$9x + y = 0$$

$$x + y = 5$$

7.
$$3x - y = 7$$

$$3x - 2y = 12$$

8.
$$4x + 2y = 16$$

$$\frac{1}{2}x + y = 2$$

$$-x + y = 2$$

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

10.
$$x + y = 1$$

Answers

Date

$$(7, -6)$$

$$(1, -18)$$

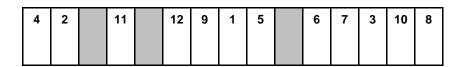
N.
$$(1, -1)$$

E.
$$(-4, -23)$$

$$6x - y = 24$$

11. 6x + y = -12

12. There are a total of 52 students on the soccer team and the field hockey team. The field hockey team has 12 more students than the soccer team. Write a system of linear equations that fits this situation. How many students are on the soccer team x and the field hockey team y?



Without graphing, determine whether the system of linear equations has one solution, infinitely many solutions, or no solution. Explain your reasoning.

1.
$$y - 3x = 5$$

$$y = 3x + 5$$

2.
$$y = 6x + 2$$

$$y = 6x - 2$$

2.
$$y = 6x + 2$$

 $y = 6x - 2$
 3. $y = 5x + 9$
 $y = 3x - 2$

$$y = 3x - 2$$

Solve the system of linear equations. Check your solution.

4.
$$y = 4x - 5$$
 5. $y = 2 - 3x$

6.
$$y = \frac{2}{3}x - 3$$

 $2x - 3y = 9$