Two lines, A and B, are represented by the following equations:

Line A:
$$-3x - 3y = -9$$

Line B:
$$-7x - 3y = -17$$

Which statement is true about the solution to the set of equations?

- The solution is (1, 2).
- There are no solutions.
- There are infinitely many solutions.
- The solution is (2, 1).

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ExamView 3

equation: Which description best describes the solution to the following system of

$$x-y=9$$

$$-2x - y = 3$$

- Line x y = 9 and line -2x y = 3 intersect at the x-axis.
- b. Line x y = 9 intersects the line -2x y = 3. c. Line x y = 9 intersects the origin.
- Line x y = 9 and line -2x y = 3 intersect at the y-axis.

ExamView 3

Consider the following equations:

$$x+y=2$$

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$$y = x + 4$$

equations intersect? If the two equations are graphed, at what point do the lines representing the two

$$(1, -3)$$

a.
$$(1, -3)$$

b. $(1, 3)$

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ExamView

A set of equations is given below:

$$y = -2x + 7$$

$$y = 7x + 1$$

equations? Which of the following steps can be used to find the solution to the set of

a.
$$-2x + 1 = 7x + 7$$

b. $-2x = 7x + 1$

c.
$$7x = -2x + 7$$

b.
$$-2x = 7x + 1$$

c.
$$7x = -2x + 7$$

d. $7x + 1 = -2x + 7$

Consider the following set of equations:

$$5y = 5x - 15$$

$$y=x-3$$

Which of the following best describes the solution to the given set of equations?

- Two solutions
- One solution

- Infinitely many solutions No solutions
- р с

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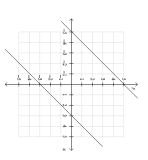
ExamView

$$y = -2x - 6$$

$$y = -5x - 9$$

Explain how you will solve the pair of equations by substitution. Show all the steps and write the solution in (x, y) form.





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How many solutions are there for the pair of equations for the two lines? Explain your answer?