Solving equations and inequalities

Math

Name_____ Class_____ Date_____

1 To solve a **system of equations** means to solve two equations for an ordered pair that make both equations true.
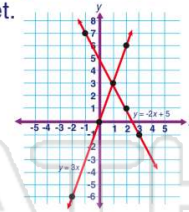
True or false?

A true
B false

2 The graph shown represents the equations, $y = 3x$ and $y = -2x + 5$ and their solution set.
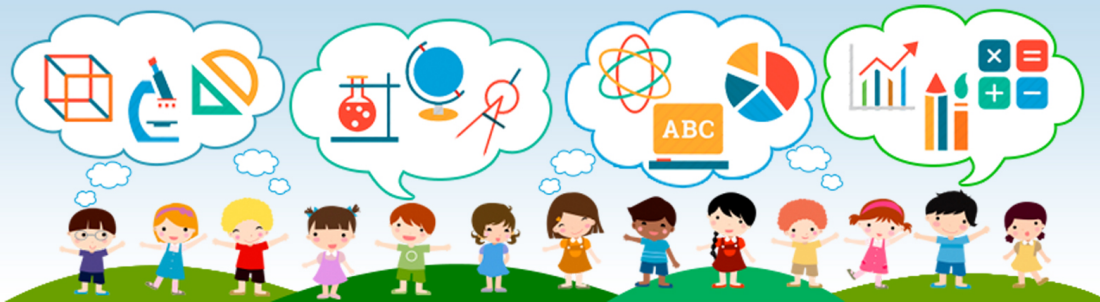
True or false?

A true
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3 What is the solution set for the system of equations, $y = 4x$ and $2x + y = 12$, by using **algebraic substitution**?

A (6, 24)

4 What is the solution set for the system of equations, $y = -2x$ and $5x - y = -14$, by using **algebraic substitution**?

A (-2, 4)

5

7
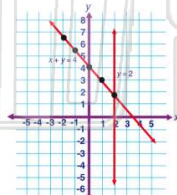
A $(\frac{1}{2}, 3)$ C (-1, 2)

B (1, 1)   D (2, 4)

B (5, 0)
C (1, 10)
D (6, -3)

9 The graph shown represents the equations, $y = 2$ and $x + y = 4$, and their solution set correctly.

True or false?

A true
B false

10 EZ Rental charges an initial fee of $59 and a per day fee of $40. Careful Car Rental charges an initial fee of $79 and a per day fee of $30. At how many days is the fee the **same** for both companies?

A 2   C 4
B 3   D 5

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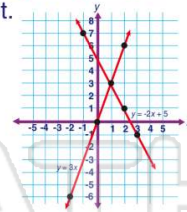
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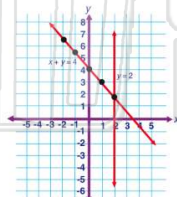**D** (6, -3)

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