Intro To Systems Of Equations

Solve for x. Show your work.

1. Is $(4, 6)$ a solution to both $y = 1x + -2$ and $y = 3x + -10$?

2. Is $(2, 15)$ a solution to both $y = 3x + 13$ and $y = 3x + 11$?

3. Is $(1, 6)$ a solution to both $y = 2x + 5$ and $y = 5x + 2$?

4. Is $(4, 9)$ a solution to both $y = 1x + -3$ and $y = 2x + 1$?

5. Is $(1, 10)$ a solution to both $y = 1x + 8$ and $y = 3x + 6$?

6. Is $(4, 10)$ a solution to both $y = 3x + 6$ and $y = 5x + 2$?

7. Is $(6, 15)$ a solution to both $y = 3x + 3$ and $y = 3x + -15$?

8. Is $(5, 7)$ a solution to both $y = 1x + -3$ and $y = 4x + -3$?

Intro To Systems Of Equations - Answer Key

1. Is $(4, 6)$ a solution to both $y = 1x + -2$ and $y = 3x + -10$?

   \text{No}

2. Is $(2, 15)$ a solution to both $y = 3x + 13$ and $y = 3x + 11$?

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3. Is $(1, 6)$ a solution to both $y = 2x + 5$ and $y = 5x + 2$?

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6. Is $(4, 10)$ a solution to both $y = 3x + 6$ and $y = 5x + 2$?

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7. Is $(6, 15)$ a solution to both $y = 3x + 3$ and $y = 3x + -15$?

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8. Is $(5, 7)$ a solution to both $y = 1x + -3$ and $y = 4x + -3$?

   \text{No}