

Math 017

Name:

Solve the following linear equations. The answer is either "no solution", "identity", or $x = 0$

1. $2(x - 3) + x = 4x - 6$

2. $2(x - 3) + x = 2x - 6$

3. $2(x - 3) + x = 3x - 6$

4. $2(x - 3) = 3x - 4$

5. $3(x + 4) + 5x - 2 = 5(x - 2) + 3(x + 7) - 1$

6. $x + 5 - 2(x - 3) = x + 11$

7. $.6x + 4 = \frac{3}{5}x - 5$

8. $\frac{x - 1}{4} = \frac{x - 2}{8}$

9. $7x + 3 - 4(x - 6) = 3(x + 9)$

10. $\frac{3x - 7}{2} = \frac{6x - 14}{4}$