

Solve Equations Algebraically #1.2

Name:

Date:

Period:

Solve the following equation (for the value of x that makes the equation true) algebraically. Show (record) *ALL* algebraic steps.

1. $5x = 3x + 4$

2. $2x = -x + 6$

3. $5x = 3x + 10$

4. $5x = 3x + (-10)$

5. $5x + 2 = 3x + (-2x) + 10$

6. $2(x + 1) = 12$

7. $-5x = -3x + 10$

8. $4(x + 1) = 2(-x + 14)$

9. $5(x + 1) = -5(x + 3)$

10. $-8(x - 2) = 32$

11. $-6x + 5 = 2$

12. $9x + 3 = 0$