

## Solve Equations Algebraically #1.3

Name:

Date:

Period:

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

1.  $4x = 2(x + 5)$

2.  $2(x + 1) = -x + 11$

3.  $5x = 2x + 15$

4.  $3x = 8x - 15$

5.  $10x - 3 = -5x + 42$

6.  $12(x + 2) = 60$

7.  $-20x = -5x + 45$

8.  $2(5x + 1) = 4$

9.  $12\left(x - \frac{1}{2}\right) = 2$

10.  $5(2x + 1) = -2x + 14$