

Name _____

Date _____

Homework #11 Solve for the variable and show all work!

Period _____

1) $\frac{b+3}{6} = 10$

2) $\frac{a}{2} + 5 = 12$

3) $5x + 6 = 81$

4) $2(3x - 4) = 8x - 11$

5) $7x - 8 - 2x = 64 - 3x$

6) $5x - (x + 3) = 7 + 2(x + 2)$

7) $2x(3x + 1) = 3x(2x + 1) - 2$

8) $5m - 8 + 4m = 5 - (3m + 13)$

$$9) 20 - (8 + x) - (x + 1) = 39$$

$$10) 5(x + 2) = 6 + 3(2x - 1)$$

$$11) x - 5 = 3x + 7$$

$$12) 9x + 21 = 3x - 15$$

$$13) 6x - 16 = 14x + 12$$

$$14) 3x - 6 = 7x + 8$$

$$15) \frac{1}{3}(6y - 9) = \frac{1}{2}(8y - 4)$$

$$16) \frac{2}{3}(3x + 1) = 5$$