

## 2 B4A Review Solving Equations

Name: \_\_\_\_\_ Per: \_\_\_\_\_

SHOW YOUR WORK FOR FULL CREDIT. NO WORK, NO CREDIT. NO WORK IN PEN.

### Solving Two Step Equations. Solve for x

1.  $3x + 7 = -5$

3.  $5x - 2 = -32$

2.  $18 = \frac{1}{2}x + 10$

4.  $-x + 7 = -2$

### Combining Like Terms and Solving Equations. Solve for x

5.  $5x + 18 - 8x = 33$

8.  $-5 + x + 16 = -3$

6.  $-3x - 4 + 2x = 2$

9.  $7x + 14 - 5x$

7.  $5 - \frac{1}{2}x + 3 = -30$

10.  $2 + 3x - 2x = -15$

### Distribute, Combine and Solve. Solve for x

11.  $-(3 - x) = 4$

14.  $\frac{1}{2}(4x - 4) = -60$

12.  $4(x - 2) + 2x = 40$

15.  $9 = 6 - (x + 2)$

13.  $3(x - 12) = 27$

16.  $3(x - 2) + 5 = 14$

**Extra Credit (SHOW YOUR WORK):**  $(4x + 2) - (12x + 8) + 2(5x - 3) = 16$