

Name: _____

Simplification and Solving

When you are asked to simplify an expression your answer should be an expression.
Simplify the following expressions:

1. $-9w - 4w$

2. $\frac{2}{3}x - \frac{1}{6}x$

3. $3B - 5A + 2B - 2A + 1$

4. $-3(w - 5) + 2w$

5. $-3(x - 2) - 5(x + 4)$

Name: _____

6. $2(7x - 5y) - 5(3x + y)$

7. $4x + 3y - 2(5x + 2y + 8)$

8. $\frac{1}{4}(8x + 2y) - (2 + 3y - 4x)$

9. $3(x^2y^3 + 2x^2y^2 - 1) + (y^2x^2 - x^3y^2 - 18)$

Name: _____

When you are asked to solve an equation your answer should be a number.
Solve the following linear equations:

1. $5x + 6 = 3$

2. $-\frac{x+1}{3} + \frac{x-1}{2} = 0$

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

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

5. $\frac{x+2}{9} = \frac{x-5}{2} - (1-x)$