

Name: _____ Date: _____

- List the terms in the following expression: $2x - 5y + 3$
- In the expression $5x - \frac{w}{3} + 4m^2 - 8$,
what is the coefficient of x ? _____ What is the coefficient of w ? _____
What is the constant term? _____
- Simplify $5x + 3xy - 10x^2 - 12x + 8x^2$ by combining like terms.
 $5x + 3xy - 10x^2 - 12x + 8x^2 =$
- Simplify $\frac{1}{2}x + 5 - 5x + \frac{2}{3}$ by combining like terms. Write your answer with improper fractions as necessary.
- Evaluate the expression $5x - 3y + 2$ if $x = -2$ and $y = -10$. Show work.
- Evaluate the expression $a^2 - b^2$ if $a = -\frac{1}{2}$ and $b = -\frac{2}{3}$.
- Evaluate the expression $\frac{a-3b}{b^2}$ if $a = -2$ and $b = -6$.
- Write an algebraic expression with the following properties: The coefficient of x is 5, the coefficient of y is -1, and the constant term is 9.