

Day 1: Simplifying Expressions

Name: _____

Practice Assignment

0 25 50 75 100

1. Complete the table.

Expression	List the Terms	List the Factors of the 1 st term	List the Variables	List the Coefficients	List the Constants
$3y^3 + 4y^2 - 7y + 1$					
$5x^4 - 9x^2$					
$-a^2 + 6a - 3$					
15					

2. Simplify each expression (hint: combine "like terms").

a. $5f + 8 - 13f$

b. $2x - 5x^2 + 3 + 4x$

c. $3x^2 + 6x - 2y + 4x^2 + 3y - x$

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

e. $-2(8y - 4) + 9y + 6$

g. $-(12 - 4x) + 8(10 - x)$

h. $7(2x - 4) - (10 - 3x)$

i. $\frac{6x+9}{3} - 5 + 4(-x - 3)$

4. Give an example of two like terms and two unlike terms. Explain why they would or would not be classified as like terms.

Like

Unlike

5. Stretch your thinking - Simplify the following expression: $5(x - 4) - (2x - 7) + x - 2(x + 3)$