Practice Assignment   0   25   50   75   100

1. Complete the table.

Expression	List the Terms	List the Factors	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. Write an expression with exactly 5 terms, containing the coefficients 7, 21, -15, and 8. (Answers will vary.)

3. 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

f. $\dfrac{13 + 2(7x - 3)}{7}$

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

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

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

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

<u>**Like**</u>   <u>**Unlike**</u>

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