Name _____ Date_____

The students described below need your help.

1. James said the factors of the expression: $5 \cdot (8 - a)$ are 5, 8 and a. Do you agree or disagree? Explain.

2. Jimmy had to list the coefficients for each term in the following expression: $15x^2 - x - 8$ His answer was "15." Did he get it right? Explain.

3. Jennifer was asked to rewrite each of the following expressions in word form, using the words *sum*, *product*, *difference*, and *quotient* as needed. Write the answer she should give.
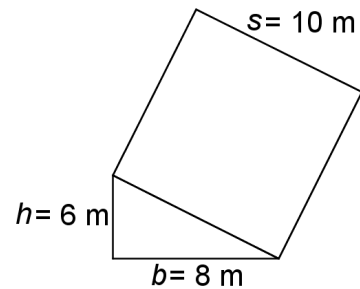
a. $(y - 3)20$

b. $5 + \dfrac{x}{9}$

Name _____ Date_____

1. Use the formula $F = \frac{9}{5}C + 32$ to convert 28° Celsius (C) to degrees Fahrenheit (F).

2. Evaluate the expression $3x + x^3 \div x \cdot 2^4$ for $x = 4$.

3. Find the area of the shape using the formula $A = \frac{1}{2}bh + s^2$.

s= 10 m

h= 6 m

b= 8 m

Name _____ Date_____

Write an expression to represent each phrase below:

1. Nine plus the quotient of *w* and four

2. Seven fewer than the product of three and *y*

3. Five times the sum of *m* and 13