

# Algebra 1 Bellwork Wednesday, September 3, 2014

1. Write a variable expression to model each statement.

a. Four less than three times a number.

b. The quotient of five and the quantity two more than a number.

2. Write an equation for each. Define your variables.

a. There are 5280 feet in a mile. Write an equation for the number of miles in an unknown number of feet.

b. Write an equation for the number of hours in an unknown number of days.

3. Use the slope formula given to find the slope of the line that passes through each pair of points. Give your answer as a fraction in reduced form. Slope =  $\frac{y_2 - y_1}{x_2 - x_1}$

a.  $(8, -38)$  &  $(-2, 12)$

b.  $(-4, 5)$  &  $(11, 5)$

c.  $(6, -3)$  &  $(-9, -13)$

d.  $(-9, 1)$  &  $(-9, -10)$