

# Algebra 1 Classwork Friday, September 11, 2015

Write an expression to model each statement.

1. The difference of twenty and the quotient of five and an unknown number.

2. Eight less than three times a number.

3. Six times the quantity Seven plus a number.

4. The product of two and the cube of a number.

Write an equation to model each statement. Define your variables.

5. For the area of a square if all sides have a length of  $c$  feet.

EQ:

Variables:

6. For the total number of basketball players at a 3-on-3 tournament if all teams had 4 players.

EQ:

Variables:

7. You have 20 dollars more than me.

EQ:

Variables:

8. The amount of money you would have spent at the store if you bought some cans of pop for \$1.5 each and some bags of chips for \$2 each.

EQ:

Variables:

9. Write an equation for the amount of money a plumber would charge you if they charge \$75 for the house call then \$30 per hour for repairs.

EQ:

Variables:

10. At the sporting goods store basketballs cost \$25 each and volleyballs cost \$20 each. Write an equation that models the cost of buying some basketballs and some volleyballs.

EQ:

Variables: