

Name _____ Date _____ Per _____

Literal Equations Applications Class Assignment

1.) Suppose that the amount in Gilberto Valencia's account, 3 years after a principal of \$5000 was invested, is \$6050. What was the interest rate?

Formula: $A = P + Prt$ where A is the ending balance, P is the principal amount, r is the interest rate, and t is the time in years.

2.) Suppose that the amount in Diana Soriano's account, 4 years after a principal of \$3000 was invested, is \$3720. What was the interest rate?

3.) The length of Wendell Mitchell's dog run is 1 centimeter (cm) less than 3 times the width. If the perimeter is 54 cm, find the dimensions of his dog run.

Formula: $P = 2w + 2l$ where P is the perimeter, w is the width, and l is the length.

4.) The length of Serenity Dill's rectangular doll house is 5 inches (in.) more than twice the width. If the perimeter of the doll house is 76 in., what are the dimensions of the house?

5.) If Jerimiah Gutierrez rode his bike at 5 miles per hour to get to school that was 20 miles away, how many hours would it take him to get to school?

Formula: $d = rt$ where d is the distance, r is the rate at which he is travelling, and t is the amount of time in hours.