Math 1 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Lesson 1-2 Literal Equations** Date\_\_\_\_\_\_\_\_

Learning Goals:

* *I can solve equations for a specified variable.*

1. Mr. Nidy traveled to The Ohio State University in Columbus for a college reunion party. He determined his average speed was 63 mph and it took him three hours to get there. How many miles did he have to travel? (*distance* 

2. Using the formula *d* = *rt*, solve for *r*.

3. Mr. Nidy’s wife had to stay late at work and decided to meet him there. If they both left from their house, what was his wife’s average speed if she took 3.5 hours to get there?

4. Solve  for *t*.

5. On the way home from the reunion, Mr. Nidy drove an average of 68 mph. How long did it take him to drive home?

Solve the following equations for the specified variable.

6.  Solve for *V*.

7.  Solve for *a*.

8.  Solve for *R*.

9.  Solve for *R*.

10.  Solve for *v*.

11.  Solve for 

12.  Solve for *y*.

13.  Solve for *y*.

14.  Solve for *y*.

15.  Solve for *x*.

16.  Solve for *r*.

17. If the area of circle is  square inches, what is the radius?

18. The formula to determine the temperature in Fahrenheit when the temperature in Celsius is known is  What equation would convert the temperature from Fahrenheit to Celsius? If the temperature is what is the temperature in Celsius?