Name _____   **Review 2**

Solve the Equations.

1.) $6.6 = w - 1.2$ 2.) $0.8b = 1.12$ 3.) $d - \frac{1}{12} = \frac{5}{12}$ 4.) $k - 24 = 50$ 5.) $96 = 12f$

6.) $\frac{p}{4} = 12$ 7.) $1.9 = \frac{r}{0.3}$ 8.) $72 = 0.6r$ 9.) $w + \frac{2}{7} = \frac{5}{14}$ 10.) $t + 1.2 = 3.4$

For each Real World Problem, write and solve an equation to answer the question.

11.) Dr. Anthro has a piece of Roman pottery that is 954 years old. This is one third as old as a piece of his Grecian pottery. Write and solve an equation to find the age, a, of his Grecian pottery?

Equation _____   Age of Grecian pottery_____

12.) During a test flight, Jeri's rocket reached a height of 18 yards. This was 7 yards less than the height of Devon's rocket. Write and solve an equation to find the height, h, of Devon's rocket.

Equation _____   Height of Devon's rocket _____

13.) Earline has put $250 into her savings account. To do this, she made 10 deposits of the same amount. Write and solve an equation to find the amount, a, of each deposit.

Equation _____   Amount of each deposit _____

14.) Keshav has $250 in his account. This is $75 more than his brother Nalin has in his account. Write and solve an equation to find the amount of money, m, in Nalin's account.

Equation _____   Amount of money in Nalin's Account_____

RETAIL STORES The table shows the monthly earnings of some of the retail stores in a city. Use the table to answer Exercises 15.

15.) Sunny Spot's earnings were $8,329 more than that of Silver Sky. Write and solve an equation to find Silver Sky's earnings, e.

Equation _____

Silver Spot's earnings _____

MONTHLY RETAIL EARNINGS	
Store	**Earnings**
Sunny Spot	$52,800
Griffin's Web	$43,757
Kaylee's Magic	$121,113
Gift's Galore	$57,532
Silver Sky	
Huntley's Creek	

16.) Mrs. Dinh is dividing a loaf of bread into equal sections for herself, her husband, and their four children. Each person's serving has 210 Calories. Write and solve an equation to find how many calories, c, are in the loaf?

Equation _____   Number of calories _____

17.) The Russian ice breaker *Yamal* can move forward through 2.3-meter-thick ice at a speed of 5.5 kilometers per hour. Write and solve an equation to find the number of hours, h it will take to travel 82.5 kilometers through the ice.

Equation _____   Number of hours _____