Statistics Review Worksheet

Name: ____

Simplify.

1.
$$\begin{bmatrix} 9 & 12 \\ -7 & 3 \end{bmatrix} + \begin{bmatrix} 15 & -8 \\ 4 & 11 \end{bmatrix} =$$
 2. $\begin{bmatrix} 10 & 7 \end{bmatrix} - \begin{bmatrix} 4 & -2 \end{bmatrix} =$ 3. $3 \begin{bmatrix} 7 & -10 \\ 0 & -2 \end{bmatrix} =$

2.
$$[10 \ 7] - [4 \ -2] =$$

3.
$$3\begin{bmatrix} 7 & -10 \\ 0 & -2 \end{bmatrix} =$$

4.
$$5\begin{bmatrix} 7 & 1 \\ -3 & 0 \end{bmatrix} + \begin{bmatrix} 8 & -6 \\ 12 & 9 \end{bmatrix} =$$

5.
$$4\left(\begin{bmatrix} 3 & 10 \\ -2 & 7 \end{bmatrix} + \begin{bmatrix} 9 & -1 \\ -5 & 11 \end{bmatrix}\right) =$$

You roll a ten-sided number cube. Find the probability of rolling each of the following.

You choose a marble at random from a bag containing 7 red marbles, 8 blue marbles, and 5 green marbles. You replace the tile, then choose again. Find each probability.

Find the value of each expression.

15.
$$_{7}C_{2}$$

- 17. There are 12 pictures to choose from to hang on your wall. In how many different ways can you arrange any 4 pictures on the wall?
- 18. There are 20 students in your class. If the teacher makes a group of 4 students, how many different possibilities are there?

19.	The two-way table shows the results of a football team's games roof was open or closed.	over the las	st five seasor	ns and whethe	er the	
a.	How many games did the team win?		Roof Open	Roof Closed	Tota	
b.	How many games did the team lose with a closed roof?	Team Won	25	7		
C.	Find and interpret the sum of the entries in each row and column.	Team Lost	8	0		
		Total				
d.	What percent of the open roof games were won?					
	You randomly survey students in a school about their pet preference. The results are shown in the tally sheets. Make a two-way table including the totals of the rows and columns. What percent of male students prefer dogs?			Female Students Pet Tally Dogs ######## Cats ########## Male Students Pet Tally		
C.	Dog Hr				_}	
d.	C C		nale Mo	ile Tot	ial	
		Dogs Cats				
		otal				
21. The ag	Make a box-and-whisker plot for the data. Don't forget to label ses of the members of a recreational volleyball team are: 21, 24, 28,					
Minim	um: Maximum: Q1: Q2:		Q3: _			
←	 			-		