Name:_____ Date:_____

1) Round everything to 3 decimal places

	P285/60R15	P310/75R15
WIDTH (mm)		
ASPECT RATIO %		
HEIGHT (in)		
DIAMETER (in)		
CIRCUMFERENCE (in)		

If your speedometer says you are travelling at 60 mph how fast are you actually travelling?

2) Round everything to 2 decimal places

Grading System 1	Grading System 2
Test average – 40%	Test average – 30%
Final exam grade – 10%	Final exam grade – 20%
Homework – 10%	Homework – 25%
Projects – 40%	Projects – 25%

You have a 82% test average, a 75% on your final exam, an 80% homework average and a 90% project average

What is your class average under each system? Which system do you prefer?

You are at the end of the semester and you want to know what you need to get on the final exam to get an A (90%) You have a 88% test average, a 93% homework average and a 90% project average. What do you need to get on the final in each grading system? GIVE EXACT ANSWERS

3) How many ways can you create a 7 digit code if no number can be repeated?

4) The **Georgia Parent Survey** contains 24 questions. Parents may complete the survey using their personal computer, smartphone, or tablet. All parents are encouraged to participate in the Georgia Parent Survey because the data will be used as part of the calculation of the School Climate Star Rating. Survey responses are anonymous, self-reported, and will be submitted directly to the Georgia Department of Education for analysis. The Georgia Parent Survey is also available in Spanish. Parents may select the Spanish version within the survey. The Georgia Parent Survey link is posted below.

Find the readability of the above using the FI

5) Show that the if the following is an invalid UPC number   7-61941-30646-4

Change it so it is a valid number (indicate how you changed it to make it valid)

6) Given the following code, determine the check digit. 06530045296d

7) A golf ball has a diameter of 1.4 in. How many golf balls will fit inside of a storage box that is 5 feet wide, 11 feet long, and 9 feet high? (Volume of a sphere = $\frac{4}{3}\pi r^3$)

8) 10 People fit comfortably in a 4 feet by 4 feet area. Use this value to estimate the size of a crowd that is 2 yards deep and 1 mile long.

9) Aaron Rodgers had the following stats: 40 touchdowns, 401 completed passes, 4,428 yards, 17 interceptions, and 610 attempts. What is his quarterback rating?

10) Ryan had the following stats from this season; 34 singles, 12 doubles, 9 homeruns and 300 at bats. There were two times more triples than homeruns. What is the slugging average?