MATH 7 Spiral Review NAME _____

Week 1 (due 1/23/20) CORE _____

Show all your work on the back or attach notebook paper. Calculator use allowed.
PUT FINAL ANSWER IN THE BOX.

1) Mike purchases a round wall clock. The clock's radius is 10 cm. What is the circumference of his clock?

2) Samantha can write 1.5 pages in 3 minutes. How many pages could she write in 12 minutes?

3) You find a triangle that has an area of 10 square feet. The height of the triangle is ten feet. What is the length of the base of the triangle?

4) Isaac used ¼ of an ounce of nuts to make 1/12 pound of cake. How many ounces of nuts are needed to make a cake?

5) Lin wants to buy a new Mercedes. The Mercedes wheel has a diameter of 70 inches. What is the area of the wheel?

6) Bobbi made cookies. The circumference of the cookies is 8 cm. What is the diameter of the cookies (rounded to the nearest hundredth)?

7) An oversized colorful puzzle cube (like a Rubik's cube) has a surface area of 36 square inches. What is the volume of the puzzle cube?

8) Sam's parents gave him a map to reach his house. He is 1.5 cm from his home. If each 3 cm on the scale drawing equals 5 km, how far is he from the house?

9) There is a wood shop that make boats. The number of boats constructed can be determined by the equation B = .04w, where B is number of boats and w is number of wooden logs used. Identify the constant of proportionality.

10) Jordan buys a big drum. The diameter of the drum is 3 feet. What is the radius of the drum?

THIS is a MAJOR GRADE. 5 Points off each day if late.

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

MATH 7 Spiral Review NAME _____

Week 2 (due 2/6/20) CORE _____

Show all your work on the back or attach notebook paper. Calculator use allowed.
PUT FINAL ANSWER IN THE BOX

1) Helen wants to buy round plates for her mom. The radius of the plate is 1 ft. What is the plate's circumference?

2) A beaver burrows 10 holes every 5 minutes. How many holes will it burrow if the time is increased to 25 minutes?

3) A machine makes 20 carpets in a day. After oiling the machine, its efficiency will go up by 150%. How many carpets will be produced at this level?

4) The scale of a map is 4ft = 16 mile, what would be the distance on the map if the actual distance between the 2 cities = 80 miles

5) Gabe fills 1/3 of a water bottle in 1/6 of a minute. How much time will it take him to fill the bottle?

6) A grocer can buy strawberries for $1.38 per pound. Write an equation relating c (the cost) and p (pounds) of strawberries.

7) A 50 cm piece of wire is bent into a circle. What is the area of the circle?

8) If a graph shows the following representation of pounds of chocolate consumed by # of people. What would be the constant of proportionality? 3 people- 6lbs; 9 people- 18lbs; 15 people- 30 lbs.

9) A school had 1200 students last year and only 1080 students this year. What was the percentage decrease in the # of students?

10) Jen puts $1750 in a savings account for 2 years that offers a 4% interest rate. What is the ending balance in her account after 2 years?

THIS is a MAJOR GRADE. 5 Points off each day if late.

1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	