5th ACM Weekly Review #6	Name:	Due: 12/7/18

All work must be shown on a separate sheet of paper. Your work needs to be numbered and legible. All word problems must be answered in complete sentences. If you do not show work it will be marked wrong.

1. Write in exponential form: a) $3 \cdot 3 \cdot 3 \cdot 3 \cdot 3 \cdot 3$ b) $\frac{1}{4} \cdot \frac{1}{4} \cdot \frac{1}{4}$	6) The track surrounding a football field is $\frac{1}{4}$ mile long. How many times will I need to run around the track to go $4\frac{1}{2}$ **miles**?
2. The area of a rectangle is 48 in. What are the possible dimensions of the rectangle?	7) $.5(3.94 - .13)$
3. Evaluate: $2\frac{2}{3} \div \frac{1}{4} \cdot (4\frac{1}{2} + 3)$	8) $\frac{5}{7} \bullet \frac{21}{2} =$
4) Explain how you would use simplifying to find the product of: $\frac{5}{6} \bullet \frac{12}{15}$	9) A deli charges $3.45 for a pound of turkey. If Tim wants to purchase 2.4 pounds, how much will it cost?
5) Sophie purchased a 30 ounce package of cookies for $2.40. What is the price per ounce? A) $8.00 per oz. B) $0.88 per oz. C) $0.80 per oz D) $0.08 per oz.	10) Distance = rate • time Cade can run 6.2 miles in 1 hour. If he ran for 3.5 hours, how far did he go?

11) Find the area and perimeter:

13.25 cm

5.8 cm 

Area: _____

Perimeter: _____

12) Find the reciprocal of each:

a) 17 _____

b) $4\frac{1}{2}$ _____

13) Evaluate:

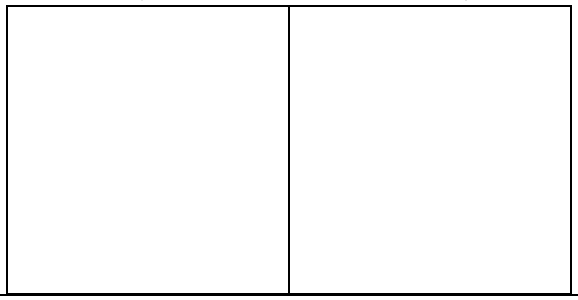
$31 - [12 - 3(2^2 - 3) - 5] \cdot 7$

14) What is the GCF of 18 and 48?

15) The perimeter of a square is 8.8 inches. What is the area of the square?

16) Write each of the following sums as 2 factors of their GCF and a sum.
Example: 36 + 8 = 4(9+2)

14 + 49 **28 + 48**



17) Evaluate the expressions if, x = 3 and y = 2

$x^3 + 4y - x^2y + 2x$

18) A rectangular piece of wood measures 24 feet. If you cut the wood into pieces that measure $\frac{2}{5}$ feet long, how many pieces would you have?

19) What is the LCM of 12, 18, & 24?

20) Ben ran a 19.5 mile race last Saturday. His average speed during the race was 7.8 miles per hour. How long did it take Ben to finish the race?