

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**Review Sheet for Test 2 (Lessons 11 - 20) SHOW ALL WORK****Complete EVENS ONLY for Homework on Monday 10/24**

1)  $\frac{8}{15} \cdot \frac{3}{12}$

2)  $\left(6\frac{3}{10}\right) + \left(4\frac{4}{9}\right)$

3)  $\left(-3\frac{2}{5}\right) \div \left(4\frac{4}{9}\right)$

4)  $-1\frac{13}{15} - \frac{3}{12}$

5)  $-3.45 - 4.623$

6)  $8.9 - (-3.67)$

7)  $2.971 - 7.3$

8)  $-5.992 - (-2.9)$

**Change the following numbers to fractions. Leave your answer in simplest form!!  
Show all necessary work!!**

9)      .0862	10)      3.14
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**Change the following fractions to decimals. Show all necessary work!!  
Round to nearest thousandth, if necessary.**

11) $\frac{5}{8}$	12) $\frac{17}{7}$
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13) **REVIEW:** Write the property being shown:

a.       $\left(\frac{16}{19}\right)\left(\frac{19}{16}\right) = 1$       \_\_\_\_\_

b.       $2(6+7) = 2 \cdot 6 + 2 \cdot 7$       \_\_\_\_\_

c.       $(5+4)+3 = 5+(4+3)$       \_\_\_\_\_

d.       $\left(\frac{16}{19}\right) + \left(\frac{-16}{19}\right) = 0$       \_\_\_\_\_

14) **Evaluate: SHOW ALL WORK!**

a.       $7 \cdot 8 + 9 \div (-3) \cdot 4$

b.       $|4-9| - (-25) \div 5 \cdot 2 + (-1)$

15) Erica buys a 20 ounce box of cereal. How many  $1\frac{1}{4}$  ounce serving are there in the box?

What operation(s) will you use? \_\_\_\_\_

16) Kristen read  $\frac{1}{2}$  of a book on Saturday night and  $\frac{4}{7}$  of the book on Sunday night. How much of the book does Judy have left to read?

What operation(s) will you use? \_\_\_\_\_

17) Amir goes to the deli counter and buys  $2\frac{3}{4}$  lbs of turkey at \$7.00 per pound and  $1\frac{1}{2}$  lbs of cheese at \$4 per pound . What is the total amount that he spent at the deli counter?

What operation(s) will you use? \_\_\_\_\_

18) **REVIEW:**What number sets do I belong to? Use as many as applies.  
(counting/natural #'s, whole #'s, integers, rational #'s, real #'s)

a) 1 \_\_\_\_\_

b) 0 \_\_\_\_\_

c) -45 \_\_\_\_\_

d)  $\overline{.65}$  \_\_\_\_\_

e)  $\frac{-3}{7}$  \_\_\_\_\_

- 19) **TEMPERATURE** The highest recorded temperature on Earth was recorded in Africa at  $136^{\circ}\text{F}$ , while the lowest was  $-129^{\circ}\text{F}$  in Antarctica. What is the range of temperatures recorded on Earth? Use the distance formula  $|p - q|$ .

- 20) A submarine hovers at 240 meters below sea level. If it descends 160 meters and then ascends 390 meters, what is its new position?

- 21) Place the following numbers onto the number line below:

A  $-2\frac{1}{2}$       B 2.62      C  $-\frac{1}{8}$       D  $-.75$



- 22) Use  $>$ ,  $<$ , and  $=$  to compare the following numbers:

a)  $\frac{3}{5}$  \_\_\_\_\_  $.65$

b)  $-.30$  \_\_\_\_\_  $-\frac{1}{3}$

c)  $-2\frac{1}{5}$  \_\_\_\_\_  $-1.75$