Name_____   Date _____

Mr. Tallman   Math 7

Review for Quiz 3 – Number System and Fractions (Lessons 11 – 16)

Converting Fractions to Decimals – SHOW THE LONG DIVISION

1) $-\dfrac{4}{25}$	2) $-\dfrac{13}{9}$

Converting Decimals to Fractions – Write answer in simplest form.

3) -0.125	4) -2.32

Multiply or Divide. Convert all answers to mixed numbers in simplest form.

5) $-3\dfrac{5}{6} \cdot \dfrac{7}{6}$	6) $-5\dfrac{3}{4} \div 1\dfrac{7}{8}$
7) $-2\dfrac{1}{2} \div \left(-3\dfrac{1}{3}\right)$	8) $-6\dfrac{1}{5} \cdot \left(-2\dfrac{10}{11}\right)$

9) Dan needs $3\dfrac{1}{3}$ gallons of gas for his lawnmower. His gas container in his garage only contains $1\dfrac{1}{6}$ gallons of gas. How much does Dan need to purchase from the gas station to completely fill his lawnmower?

Add or Subtract. Convert all answers to mixed numbers in simplest form.

10) $\left(-\frac{2}{3}\right) + \left(-\frac{3}{4}\right)$	11) $-4\frac{7}{8} - \left(-3\frac{5}{16}\right)$
12) $\frac{15}{7} - \left(-\frac{5}{7}\right)$	13) $-10\frac{2}{3} + 7\frac{1}{3}$

Number System – Circle your choice below.

14) Which of the following is a rational number? A) 3.395832892… B) 2π C) $\sqrt{64}$ D) $2\frac{2}{3}$	15) Which of the following is an irrational number? A) -0.872 B) $\sqrt{25}$ C) $\frac{1}{5}$ D) $\sqrt{13}$
16) Which number is an integer? A) -12.97 B) $\frac{22}{7}$ C) $\frac{1}{17}$ D) -32	17) What is the only WHOLE NUMBER that is not a NATURAL NUMBER? _____

18) The table below shows the depths of different types of coral relative to sea level. Which of the coral lives deeper under sea level than black coral? Explain.

Coral	Elevations (yds)
Sea Pen	$-\frac{12}{10}$
Black Coral	$-5\frac{4}{5}$
Blue Coral	$-\frac{31}{5}$

19) Rewrite the following numbers from least to greatest.

$$-\frac{2}{3}, \quad \frac{5}{9}, \quad 0.5, \quad -1.3, \quad -\frac{10}{3}$$

20) The table below shows the statistics of a running back in a football game. How many total yards did he gain? SHOW ALL WORK.

Quarter	1	2	3	4	Total
Yards	$-7\frac{1}{2}$	25	$31\frac{1}{2}$	$-6\frac{1}{4}$	?

21) Review. Show all work where possible.

A) $-8 + 4 =$_____	B) $-36 \div 6 =$_____	C) $-2 - (-7) =$_____
D) $|-8(3)| =$_____	E) Solve for x. $-9 + x = -12$	F) Identify the property shown below. $8 \cdot (9 \cdot 3) = (8 \cdot 9) \cdot 3$