

Name _____ Date _____

Unit 1 – Review

Complete the statement using $<$, $>$, or $=$.

1) $6 \underline{\hspace{1cm}} |-2|$

2) $|-2| \underline{\hspace{1cm}} 2$

Order the values from least to greatest.

3) $4, |7|, -1, |-3|, -4$

4) $|2|, -3, |-5|, -1, 6$

5) You download 12 new songs to your MP3 player. Then you delete 5 old songs. Write each amount as an integer.

Add.

6) $-9 + 2$

7) $5 + (-5)$

8) $-12 + (-6)$

9) $-10 + 19 + 5$

10) $-11 + (-20) + 9$

11) $-7 + 7 + (-8)$

Subtract.

12) $3 - 8$

13) $6 - (-7)$

14) $-5 - (-4)$

15) $11 - (-2) + 14$

16) $-16 - (-12) + (-8)$

17) $6 - 17 - 4$

- 18) You begin a hike in Death Valley, California, at an elevation of -86 meters. You hike to a point of elevation at 45 meters. What is your change in elevation?

Multiply.

19) $7(-7)$

20) $-5(-6)$

21) $-10(-3)(-7)$

22) $-4 \bullet 8 \bullet 3$

23) -11^2

24) $(-2)^3 \bullet (-6)$

Divide.

25) $-21 \div (-7)$

26) $\frac{-13}{-13}$

27) $\frac{-55}{11}$

28) $-63 \div (-7) + 6$

29) $-5 - 12 \div 3$

30) $-8 \bullet 7 + 33 \div (-11)$

- 31) The table shows the number of yards a football player runs in each quarter of a game. Find the mean number of yards the player runs per quarter.

Quarter	1	2	3	4
Yards	-2	14	-18	-6

Write the rational number as a decimal.

32) $-\frac{9}{10}$

33) $-4\frac{2}{3}$

Write the decimal as a fraction or mixed number in simplest form.

34) -0.84

35) 5.125

Order the numbers from least to greatest.

36) $-1.6, \frac{5}{2}, -\frac{7}{8}, 0.9, -\frac{6}{5}$

Add. Write fractions in simplest form.

36) $-\frac{1}{6} + \left(-\frac{5}{12}\right)$

37) $-5\frac{3}{4} + \left(-4\frac{5}{6}\right)$

$$38) \quad 0.46 + (-0.642)$$

$$39) \quad -2.57 + (-3.48)$$

Subtract. Write fractions in simplest form.

$$40) \quad \frac{4}{9} - \left(-\frac{2}{9}\right)$$

$$41) \quad -2\frac{3}{7} - 1\frac{2}{3}$$

Evaluate.

$$42) \quad 2\frac{1}{2} + \left(-\frac{7}{6}\right) - 1\frac{3}{4}$$

$$43) \quad 2.37 - (-1.55) - 2.48$$

Find the distance between the two numbers on a number line.

44) $-3\frac{1}{4}, -6\frac{1}{2}$

45) Your friend drinks $\frac{2}{3}$ of a bottle of water. You drink $\frac{5}{7}$ of a bottle of water. Find the difference of the amounts of water left in each bottle.

Multiply or divide. Write fractions in simplest form.

46) $-\frac{8}{9}\left(-\frac{18}{25}\right)$

47) $-3\frac{3}{7} \times 2\frac{1}{2}$

48) $-\frac{2}{3} \div \frac{5}{9}$

49) $-5\frac{5}{8} \div \left(-4\frac{7}{12}\right)$

50) $-1.39 \times (-6.8)$

51) $-10 \div 0.22$