

Name \_\_\_\_\_

Date \_\_\_\_\_

**Aim: How can we practice for Friday's Test?**

**Fill in the blank with *Always, Sometimes* or *Never*.**

1. The sum of two negative integers is \_\_\_\_\_ positive.
2. The difference between two integers is \_\_\_\_\_ negative.
3. The product of two negative integers is \_\_\_\_\_ positive.
4. A negative base raised to an exponent is \_\_\_\_\_ negative.
5. The absolute value of a number is \_\_\_\_\_ its opposite.
6. The sum of two integers that are opposites is \_\_\_\_\_ zero.

**True or False**

\_\_\_\_\_ 7.  $-8 < -9$       \_\_\_\_\_ 8.  $|-11| = -11$       \_\_\_\_\_ 9.  $-10 > -20$

**Order the following integers from least to greatest.**

10. -2, 7, -5, 0, -1, 11, -9, -13

**Perform the indicated operation.**

11.  $12 + -8$

12.  $-5 + -24$

13.  $-31 + 15$

14.  $58 + -58$

15.  $17 - 20$

16.  $-40 - 10$

17.  $10 - (-14)$

18.  $-25 - (-45)$

19.  $(-12)(-10)$

20.  $(-8)(7)$

21.  $(-6)(-5)(-1)$

22.  $(25)(8)$

23.  $-45 \div -5$

24.  $10 \div -2$

25.  $-121 \div 11$

26.  $-100 \div 20$

Evaluate each of the following using the correct order of operations. Show all work.

27.  $-30 + 24 - (-4)^2$

28.  $5 + -20 \times -10 \div -25$

29.  $(4 - 12)(-18 \div -3)$

Evaluate each expression when  $a = 2$ ,  $b = -2$  and  $c = 3$ . Show all work.

30.  $b^2 - a^2$

31.  $c^3 - ab$

32.  $c^2 + b$

33.  $\frac{abc}{c+b}$

34.  $(a + c)^3$

35.  $|3ac|$

For each question below, circle True (T) or False (F).

36. T/F: The product of a negative integer and positive integer is positive.

37. T/F:  $-5 - (-2) = -5 + 2$

38. T/F:  $-99 > -88$

39. T/F: All natural numbers are integers.

40. T/F:  $-1.5$  is an integer.

41. T/F: The absolute value of  $7$  is  $-7$ .

42. T/F:  $-11$  will be in the set  $\{\dots -3, -2, -1\}$

43. T/F:  $-3 - 3 = 0$