

Student: _____

Date: _____

Time: _____

Instructor: courtney trabue

Course: GMC LSS Mathematics

Book: Martin-Gay: Developmental
Mathematics

Assignment: MAT 097 Multiplying &
Dividing Real Numbers (85)

1. Multiply.

$$-3(3)$$

$$-3(3) = \square$$

2. Multiply.

$$-8(-9)$$

$$-8(-9) = \square$$

3. Multiply.

$$3(-1.2)$$

$$3(-1.2) = \square$$

4. Evaluate.

$$(-2)^3$$

$$(-2)^3 = \square$$

5. Simplify.

$$-2^2$$

$$-2^2 = \square$$

6. Simplify.

$$\left(-\frac{6}{7}\right)^2$$

$$\left(-\frac{6}{7}\right)^2 = \square \text{ (Type a simplified fraction.)}$$

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7. Find the reciprocal.

$$\frac{5}{7}$$

The reciprocal of $\frac{5}{7}$ is . (Type an integer or a fraction.)

8. Find the reciprocal or multiplicative inverse.

$$-13$$

The answer is .

9. Find the reciprocal or multiplicative inverse.

$$-\frac{14}{15}$$

The answer is . (Type an integer or a simplified fraction.)

10. Find the reciprocal or multiplicative inverse.

$$0.8$$

The answer is . (Type an integer or a fraction.)

11. Divide.

$$\frac{42}{-6}$$

$$\frac{42}{-6} = \text{$$

12. Divide.

$$\frac{0}{-2}$$

$$\frac{0}{-2} = \text{$$

(Type an integer or a fraction. Simplify your answer. Type N if the expression is undefined.)

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13. Divide.

$$\frac{3}{0}$$

$$\frac{3}{0} = \square$$

(Type an integer or a fraction. Simplify your answer. Type N if the expression is undefined.)

14. Divide.

$$\frac{2}{9} \div \left(-\frac{1}{4}\right)$$

$$\frac{2}{9} \div \left(-\frac{1}{4}\right) = \square$$

(Type an integer or a fraction. Simplify your answer. Type N if the expression is undefined.)

15. Divide.

$$-7.6 \div -0.04$$

$$-7.6 \div -0.04 = \square$$

16. Multiply.

$$\frac{7}{9} \left(-\frac{4}{5}\right)$$

$$\frac{7}{9} \left(-\frac{4}{5}\right) = \square \text{ (Type an integer or a simplified fraction.)}$$

17. Multiply.

$$-0.1(-0.5)$$

$$-0.1(-0.5) = \square$$

18. Evaluate.

$$(-8)^4$$

$$(-8)^4 = \square$$

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19. Evaluate.

$$-1^4$$

$$-1^4 = \square$$

20. Simplify.

$$\frac{-1(-8)}{-4}$$

$$\frac{-1(-8)}{-4} = \square \text{ (Type an integer or a simplified fraction.)}$$

21. Simplify.

$$-3(6-8)$$

$$-3(6-8) = \square$$

22. Simplify.

$$\frac{-9-8(-3)}{-2-7(-5)}$$

$$\frac{-9-8(-3)}{-2-7(-5)} = \square \text{ (Type an integer or a simplified fraction.)}$$

23. Simplify.

$$\frac{|5-6| + |11-13|}{|5(-8)|}$$

$$\frac{|5-6| + |11-13|}{|5(-8)|} = \square \text{ (Type an integer or a simplified fraction.)}$$

24. If $x = -9$ and $y = -16$, evaluate the expression.

$$\frac{1-y}{x-8}$$

The solution is \square .

(Type an integer or a fraction. Simplify your answer. Type N if the solution is undefined.)

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25. If $x = -4$ and $y = -3$, evaluate the expression.

$$\frac{2 - 8x}{y + 3}$$

The answer is .

(Type an integer or a fraction. Simplify your answer. Type N if the expression is undefined.)

26. Decide whether 3 is a solution of $-7x - 4 = -25$.

- Not a solution
 Solution

27. Is 2 a solution of $18 - 3x = x + 26$?

- Solution
 Not a solution

28. Decide whether the given number is a solution of the given equation.

$$\frac{x}{4} + 4 = 5; 12$$

Choose the correct answer below.

- 12 is not a solution of the given equation.
 12 is a solution of the given equation.

29. Decide whether the given number is a solution of the given equation.

$$\frac{x + 7}{8} = -6; -47$$

Is -47 a solution to the equation $\frac{x + 7}{8} = -6$?

- Yes
 No