

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Hour: \_\_\_\_\_

## Final Exam Review Part I

Use the rules for multiplying and dividing integers to evaluate the following expressions.

1.)  $(-12)(-5) =$

2.)  $(-0.9)(3) =$

3.)  $(54) \div (-18) =$

4.)  $(-121) \div (-11) =$

5.)  $(-2)(-2)(-2)(-2) =$

6.)  $(-6)(-3) \div (-9) =$

7.)  $45 [8 + (-8)] =$

8.)  $(-4)(4) \div (-1) =$

9.)  $(-5)(-5)(-1)(1) =$

**Simplify- Multiplying and Dividing Expressions.**

10.)  $3 \cdot 9x$

11.)  $-33x \div 3$

12.)  $-2(7y - 2)$

13.)  $-2.4x \cdot 2x$

14.)  $\frac{-30v+3.6}{-3}$

15.)  $9r^2 - 8(4 - 3r^2)$

**Solve each Equation.**

16.)  $17x = -85$

17.)  $-4g = -56$

18.)  $-2.2h = 33$

19.)  $24f = 150$

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$$20.) \frac{w}{-8} = 0.5$$

$$21.) \frac{y}{-2.4} = -10$$

$$22.) \frac{4}{7}x = 4$$

$$23.) \frac{1}{-9}y = 2.5$$

$$24.) \frac{-j}{7} = 8$$

$$25.) \frac{w}{-8} = \frac{3}{-4}$$

$$26.) -\frac{3}{5}m = \frac{8}{15}$$

**Find Each Answer. Show your Work! Hint.**  $\frac{\textit{is}}{\textit{of}} = \frac{\%}{100}$

27.) 55% of 60

28.) 28 is 70% of what number?

29.) 200% of 40

30.) 35% of 140

31.) What percent of 90 is 40.5?

32.) 4 is what percent of 50?

**Solve.**

33.)  $3a + 7 = 31$

34.)  $-2x + 10 = -4$

35.)  $n - 6 = 2n - 14$