

Chapter 4 Review

Name: _____

Date: _____

Hour: _____

Chapter 4 Review #1

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, box your solution. Check your Solution!

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. $\frac{\text{is}}{\text{of}} = \frac{\%}{100}$

27.) 55% of 60 is what number?

28.) 28 is 70% of what number?

29.) 200% of 40 is what number?

30.) 35% of 140 is what number?

31.) What percent of 90 is 40.5?

32.) 4 is what percent of 50?

Solve each Equation, box your solution. Check your Solution!

33.) $3a + 7 = 31$

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

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

Write the reciprocal of each number.

36.) $\frac{5}{6}$

37.) $-\frac{3}{8}$

38.) -566

39.) $\frac{15}{20}$

40.) 8

Re-write each decimal as a fraction. Reduce each fraction.

41.) .75

42.) .045

43.) 2.25

Re-write each percent as a decimal.

44.) 88%

45.) 9.8%

46.) 55%

Re-write each decimal as a percent.

47.) .10

48.) 2.3

49.) .66

