

Name _____ Date _____

Unit 5 – Review

1) Explain in detail what are LIKE TERMS.

Simplify the expression.

2) $7j + 3 - 4j + 9$

3) $10a + 4b + 3a - 15b$

Simplify the expression.

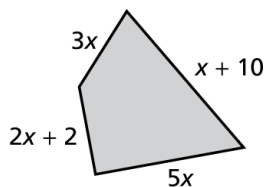
4) $(3p - 7) + (5p - 6)$

5) $(4y + 3) - (y - 2)$

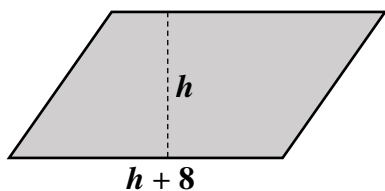
6) $(-2h + 1) + 2(3h - 4)$

7) $(5b - 9) - 3(8 - 2b)$

8) Write an expression in **simplest** form that represents the **perimeter** of the polygon.



9) Write an expression in **simplest** form that represents the **area** of the polygon.



Solve the equation. **SHOW** your check of your solution.

10) $n - 6 = 21$

11) $-8 = d + 14$

12) $-7n = 35$

13) $\frac{y}{-3} = 33$

14) $\frac{1}{5}d = -3$

15) $-6.8 = \frac{g}{2.1}$

16) $7c - 2c = 45$

17) $3k - 2 = 10$

$$18) \quad 4(k - 5) = -12$$

$$19) \quad -2(m + 1) = 10$$

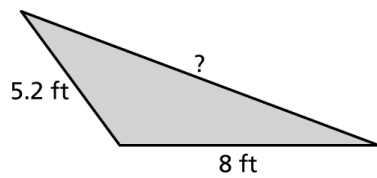
Write the word sentence as an equation. Then solve.

$$20) \quad 5 \text{ more than a number } y \text{ is } -2.$$

$$21) \quad -13 \text{ is } 4 \text{ less than a number } n.$$

$$22) \quad \text{One-third of a number } t \text{ is equal to } 7.$$

- 23) The perimeter of a triangle is 25 feet. What is the length of the unknown side? Write an equation and find the missing side.



- 24) A bus token costs \$1.75. Write and solve an equation to find how many tokens you purchase if you spend \$15.75 on tokens.

Write the percent as a decimal.

25) 35%

26) 160%

27) 74.8%

28) 0.3%

Write the decimal as a percent.

29) 1.23

30) 0.49

31) 0.024

32) 0.881

Write the fraction as a decimal.

33) $\frac{3}{5}$

34) $\frac{5}{8}$

35) $\frac{7}{33}$

Use a number line to order the numbers from least to greatest.

36) 44.5%, 0.4445, $\frac{4}{9}$, 0.44



37) $\frac{5}{12}$, 0.4, 42%, 0.416

