

**3.1-3.5**

**REVIEW**

# **Homework Change:**

**pp. 115-117**

**(1-4, 7, 10, 16-19, 25-26, 28-29, 32, 33-34, 37)**

**p. 114**

**(9,12)**

## **3.1 – Algebraic Expressions**

- Identify terms and like terms in an expression.
- Simplify an expression.

Identify the terms and like terms in the expression.

1)  $10x + 5 + 3x + 1$

2)  $-2n + 7n - r + 10r$

## **3.1 – Algebraic Expressions**

- Identify terms and like terms in an expression.
- Simplify an expression.

Simplify the expressions

3)  $8v - 15v$

4)  $7d + 5 - 4d$

5)  $12x + 9 - 3x - 4$

6)  $3(x - 4) + 5x$

## **3.2 – Adding and Subtracting Linear Expressions**

- Identify linear vs non-linear equations
- Add/subtract linear equations

Find the sum or difference

7)  $(x - 2) + (3x + 6)$

8)  $(2n - 4) - (4n - 3)$

## **3.2 – Adding and Subtracting Linear Expressions**

- Identify linear vs non-linear equations
- Add/subtract linear equations

Find the sum or difference

9)  $2(-3y - 1) + (2y + 7)$

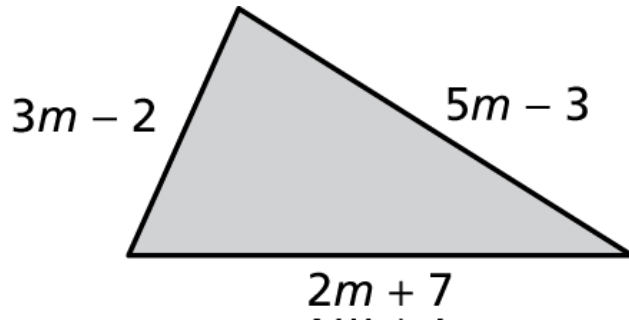
10)  $(1 - 3k) - 4(2 + 5k)$

## **3.2 – Adding and Subtracting Linear Expressions**

- Identify linear vs non-linear equations
- Add/subtract linear equations

Write an expression that represents the perimeter of the triangle.

11)



### **3.3 & 3.4 – Solving Equations Using Addition, Subtraction, Multiplication, or Division**

**Solve.**

11)  $b - 6 = -14$

12)  $5 = n + 9$

13)  $-6.4 = x + 4.3$

14)  $k - \frac{1}{3} = \frac{5}{6}$



### **3.3 & 3.4 – Solving Equations Using Addition, Subtraction, Multiplication, or Division**

**Solve.**

$$15) -7n = 35$$

$$16) \frac{y}{-3} = 33$$

$$17) \frac{p}{-5} = -30$$

$$18) \frac{1}{5}d = -9$$

## **3.3 & 3.4 – Solving Equations Using Addition, Subtraction, Multiplication, or Division**

Write the word sentence as an equation. Then solve.

19) 5 more than a number  $y$  is  $-2$ .

20)  $-13$  is 4 less than a number  $n$ .

## **3.3 & 3.4 – Solving Equations Using Addition, Subtraction, Multiplication, or Division**

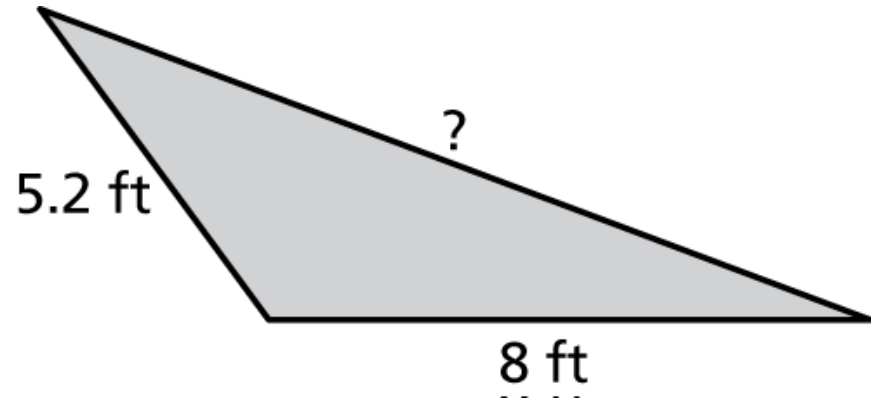
Write the word sentence as an equation. Then solve.

21) The quotient of a number  $j$  and  $-12$  is  $24$ .

22) One fourth of a number  $k$  is  $-3$ .

### **3.3 & 3.4 – Solving Equations Using Addition, Subtraction, Multiplication, or Division**

23) The perimeter of a triangle is 25 feet. What is the length of the unknown side?



## **3.5 – Solving Two-Step Equations**

$$24) -4x - 3 = -11$$

$$25) 12 = 2d + 3.2$$

## **3.5 – Solving Two-Step Equations**

$$26) -1 + 5h = 14$$

$$27) \frac{1}{2}b + \frac{9}{4} = \frac{7}{4}$$