

August 29

You Need:

- 1.) Your Binder
- 2.) Pencil
- 3.) Calculator

Agenda:

- 1.) POD
- 2.) Section 1-1

POD

TOTAL → +
DIFFERENCE / MORE -

The Buffalo Wildcats played the New York Bulldogs in a football game. The Wildcats scored 42 points. The Bulldogs scored 28 points. How many more points did the Wildcats score than the Bulldogs?

$$42 - 28 = 14$$

$$42 + 28 = 70$$

Math IV Lesson 1

Algebraic Expressions

- an expression is a combination of numbers and variables (letters)
 - There is no equal symbol
- Variable: a letter or symbol that can be replaced by a number
 - For Example --> $7Y$ $5x - 9$

Example Circle the variables in each sentence

a.) $3 + y$

b.) $7x + 6$

c.) $3 + 4b$

d.) $5n + 50$

Example

a.) if $a = 3$ find $a + 6$

$$a + 6$$

$$3 + 6$$

$$9$$

b.) if $x = 10$ find $x - 4$

$$x - 4$$

$$10 - 4$$

$$6$$

c.) If $a = 3$ and $b = 5$ find $A + b$

$$A + b$$

$$3 + 5$$

$$8$$

d.) If $a = 3$ and $b = 5$ find $b - a$

$$b - a$$

$$5 - 3$$

$$2$$

~~a.) If $a = 3$ and $b = 5$ find $a - b$~~

$$A - b$$

$$3 - 5$$

$$-2$$

b.) If $z = 6$ find $z - 10$

$$Z - 10$$

$$6 - 10$$

$$-4$$

Evaluate each expression when $x = 2$, $y = 8$, and $z = 10$

1. $x + y$

$$2 + 8$$
$$10$$

2. $25 - y$

$$25 - 8$$
$$17$$

3. ~~$25 - y$~~

4. $x + y + z$

$$2 + 8 + 10$$
$$20$$

5. $x + y - z$

$$2 + 8 - 10$$
$$0$$

6. $33 + y$

$$33 + 8$$
$$41$$

7. $y - 7 + x$

$$8 - 7 + 2$$
$$3$$

8. $z - 8$

$$10 - 8$$
$$2$$

9. $y + 3 - 2$

$$8 + 3 - 2$$
$$9$$

10. $z + 15 - y$

$$10 + 15 - 8$$
$$17$$

11. $18 - y + 10$

$$18 - 8 + 10$$
$$20$$

12. $20 - z + 5$

$$20 - 10 + 5$$
$$15$$

Evaluate each expression when $a = 5$, $b = 7$, $c = 12$, and $d = 4$

13. $a + c + d$

$$5 + 12 + 4$$
$$= 21$$

14. $8 + d$

$$8 + 4 = 12$$

15. $a + b - 8$

$$5 + 7 - 8$$
$$4$$

16. $a + 10$

$$5 + 10 = 15$$

17. $b + c + d$

$$7 + 12 + 4$$
$$23$$

18. $a + b - c$

$$5 + 7 - 12$$
$$0$$

19. $a + c - d$

20. $a + d - c$

21. $c + d - a - b$

August 30, 2016

You Need:

- 1.) Your Binder
- 2.) Pencil
- 3.) Calculator

Agenda:

- 1.) POD
- 2.) Review Section 1-1
- 3.) WS 1-1a

POD

John has 7 five dollar bills. He wants to buy a baseball bat that costs \$38. How much more money does he need?

$$7 \times 5 = 35$$

$$38 - 35 = 3$$

A letter THAT goes in for
a number.

VARIABLE

Worksheet 1-1 a

Name _____

Evaluate each expression when $a = 12$ $b = 5$ $c = 6$

1.) $a + b + c$

$$12 + 5 + 6$$
$$23$$

2. $a + b - c$

$$12 + 5 - 6$$
$$11$$

3. $a - 6$

$$12 - 6$$
$$6$$

4. $a - b - c$

$$12 - 5 - 6$$
$$1$$

5. $a + b$

$$12 + 5$$
$$17$$

6. $a + c - b$

$$12 + 6 - 5$$
$$13$$

7. $a + 8 - b$

$$12 + 8 - 5 =$$
$$15$$

8. $b - a$

$$5 - 12$$
$$-7$$

9. $b + c - a$

$$5 + 6 - 12$$
$$-1$$

Evaluate each expression when $x = 6$, $y = 8$, $z = 4$

10. $11 + z$

$$11 + 4 = 15$$

11. $y - 7$

$$8 - 7$$
$$1$$

12. $y + 2 + z$

$$8 + 2 + 4$$
$$14$$

13. $y - z$

$$8 - 4$$
$$4$$

14. $x + 4 + x$

$$6 + 4 + 6$$
$$16$$

15. $z + z + 1$

$$4 + 4 + 1$$
$$9$$