

5/6 HOMEWORK  
TERM 4, WEEK 6, 2017

This week you are to work through some algebraic equations and calculate the answers. (see below for equations). Get through as many as you can, they do get progressively more difficult as you move through the worksheet. Note that there are some negative numbers.

Secondly, you are to go to the following website <http://www.algebra4children.com/pre-algebraworksheets.html> and scroll down until you see:

ALGEBRA GAMES - EQUATIONS WITH DEFINE VARIABLE Y = 1

ALGEBRA GAMES - EQUATIONS WITH DEFINE VARIABLE Y = 6

Choose any game you wish however seeing as we have recently been playing basketball it might be a great idea to keep to this theme and try and solve the algebraic equations and get some balls in the hoop.

These are fun and quick games.

Good luck!

SPELLING WORDS

algebra	algebraic	equation	variable	linear	digit
expression	evaluate	calculate	define	negative	positive

**ALGEBRA**Calculate each when  $y = 2$ .

(1)  $8 - y =$  \_\_\_\_\_ (2)  $y - 8 =$  \_\_\_\_\_ (3)  $y - 9 =$  \_\_\_\_\_ (4)  $y + 9 =$  \_\_\_\_\_

(5)  $4 + y =$  \_\_\_\_\_ (6)  $2 - y =$  \_\_\_\_\_ (7)  $1 + y =$  \_\_\_\_\_ (8)  $y - 1 =$  \_\_\_\_\_

Calculate each when  $y = 5$ .

(9)  $y + 8 =$  \_\_\_\_\_ (10)  $4 + y =$  \_\_\_\_\_ (11)  $y - 9 =$  \_\_\_\_\_ (12)  $y + 2 =$  \_\_\_\_\_

(13)  $9 + y =$  \_\_\_\_\_ (14)  $8 - y =$  \_\_\_\_\_ (15)  $1 - y =$  \_\_\_\_\_ (16)  $y + 5 =$  \_\_\_\_\_

Calculate each when  $y = 21$ .

(17)  $14 + y =$  \_\_\_\_\_ (18)  $16 - y =$  \_\_\_\_\_ (19)  $17 - y =$  \_\_\_\_\_

(20)  $15 + y =$  \_\_\_\_\_ (21)  $y + 17 =$  \_\_\_\_\_ (22)  $23 - y =$  \_\_\_\_\_

Solve for the variable.

(1)  $y - 61 = -35$   $y =$  \_\_\_\_\_ (2)  $20 - y = -14$   $y =$  \_\_\_\_\_

(3)  $y + 64 = 112$   $y =$  \_\_\_\_\_ (4)  $58 - y = 1$   $y =$  \_\_\_\_\_

(5)  $13 + y = 15$   $y =$  \_\_\_\_\_ (6)  $29 - y = 15$   $y =$  \_\_\_\_\_

(7)  $y - 18 = 48$   $y =$  \_\_\_\_\_ (8)  $64 - y = 24$   $y =$  \_\_\_\_\_

Solve for the variable

(9)  $1y + 8 = 17$   $y =$  \_\_\_\_\_ (10)  $59 = 8y + 3$   $y =$  \_\_\_\_\_

(11)  $54 = 9 + 9y$   $y =$  \_\_\_\_\_ (12)  $2 + 8y = 34$   $y =$  \_\_\_\_\_

(13)  $61 = 5 + 7y$   $y =$  \_\_\_\_\_ (14)  $5y + 7 = 47$   $y =$  \_\_\_\_\_

(15)  $9 = 8 + 1y$   $y =$  \_\_\_\_\_ (16)  $7 = 3y + 1$   $y =$  \_\_\_\_\_