

# A

## Week 3

Choose **one** problem from below to complete as your **first** problem in your homework journal.

A1.

What value of  $x$  is the solution for the equation  $\frac{2}{3}x + \frac{1}{2} = \frac{5}{6}$  ?

A2.

What value of  $x$  is the solution for the equation  $0.6(n + 10) = 3.6$  ?

A3.

Find the value of  $x$  in the equation:

$$13x - 2(x + 4) = 8x + 1$$

# B

## Week 3

Choose **one** problem from below to complete as your **second** problem in your homework journal.

B1.

Solve algebraically for the value of  $x$ :

$$3(x + 1) - 5x = 12 - (6x - 7)$$

B2.

Solve algebraically for the value of  $x$ :

$$3.3 - x = 3(x - 1.7)$$

B3.

Solve algebraically for the value of  $x$ :

$$\frac{1}{2}w + 7 = 2x - 2$$

# C

## Week 3

Choose **one** problem from below to complete as your **third** problem in your homework journal.

C1.

The width of a rectangle is 4 less than half the length. If  $l$  represents the length, write an expression that would represent the width. Draw a diagram!

C2.

A cell phone company charges \$60 a month for 1 GB of data. The cost of additional data is \$0.05 per MB. If  $d$  represents the number of additional MB used and  $c$  represents the total charges at the end of the month, write a linear equation to represent the user's total monthly phone bill.

C3.

The number of people on the school board is represented by  $x$ . Two subcommittees with an equal number of members are formed, one with  $\frac{2}{3}x - 5$  and another with  $\frac{x}{4}$  members. How many people ( $x$ ) are on the school board?