

# A

## Week 4

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

A2.

What value of  $x$  is the solution for the equation  $5(x - 2) + 7 = 37$ ?

A3.

Find the value of  $x$  in the equation:

$$6(x + 1) - 2x - 1 = 2x + 31$$

# B

## Week 4

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

B1.

What is the solution to the inequality:

$$-6x - 17 > 8x + 25$$

B2.

Solve algebraically for the value of  $p$ :

$$4p + 2 < 2(p + 5)$$

B3.

Solve algebraically for the value of  $x$ :

$$6 - \frac{2}{3}(x + 5) = 4x$$

# C

## Week 4

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

C1.

Solve and graph the compound inequality:

$$4x + 5 < 13 \quad \text{or} \quad 4x > 28$$

C2.

Solve and graph the compound inequality:

$$8 + 4x \leq 0 \quad \text{or} \quad 7x + 1 < 15$$

C3.

Solve and graph the compound inequality:

$$6 < x - 3 < -4$$