A
Week 1

A1.

What is the value of the expression $2x^3y$ when $x = -2$ and $y = 3$?

A2.

A teacher asked the class to solve the equation $3(x + 2) = 21$. Robert wrote $3x + 6 = 21$ as his first step. <u>Which property did he use?</u> <u>How do you know?</u>

A3.

Determine the product of $(x + 2)(x - 4)$.

B
Week 1

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

B1.

Translate the following sentence into an equation, then solve it to find the missing 'number'.

Nine less than four times a number is twenty-three

B2.

Evaluate the following expression when $x = -2$.
Show all steps in your calculation following the correct order of operations.

$$\frac{-3x^2 + 4}{4} - 1$$

B3.

Find the product of $(x + 7)^2$.

C
Week 1

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

C1.

If the length of a rectangle is **3x – 2** and the width of the rectangle is **3x + 6**, write an expression to represent the **area** of the rectangle.

C2.

Julie is four years less than three times Frankie's age. Henry is three years older than Frankie. Write an expression to represent each person's age.

Frankie =

Julie =

Henry =

C3.

Simplify the expression: $2g + 3(g + 1) - (g + 2)$