

I. **Addition Equations**

A. *Solve these **addition equations**. Box and check your solutions.*

1. $x + 4 = -2$

2. $-2 + y = -1$

3. $5 = z + 9$

B. *Describe an **addition equation**.*

In an addition equation, a constant is being added to the variable.

C. *Describe how to solve an **addition equation**.*

To solve an addition equation, subtract from both sides of the equation (make a zero).

D. *Write your own example of an **addition equation** (do not solve).*

II. **Subtraction Equations**

A. *Solve these **subtraction equations**. Box and check your solutions.*

1. $x - 4 = 2$

2. $y - 2 = -1$

3. $5 = z - 9$

B. *Describe a **subtraction equation**.*

C. *Describe how to solve a **subtraction equation**.*

D. *Write your own example of a **subtraction equation** (do not solve).*

III. Multiplication Equations

A. Solve these **multiplication equations**. Box and check your solutions.

1. $4x = -20$

2. $-2y = -10$

3. $15 = 5z$

B. Describe a **multiplication equation**.

In a multiplication equation, a constant is being multiplied by the variable.

C. Describe how to solve a **multiplication equation**.

To solve a multiplication equation, divide both sides of the equation by the coefficient.

D. Write your own example of a **multiplication equation** (do not solve).

IV. Division Equations

A. Solve these **Division equations**. Box and check your solutions.

1. $\frac{x}{10} = 23$

2. $\frac{b}{5} = -1$

3. $5 = \frac{c}{-3}$

B. Describe a **division equation**.

C. Describe how to solve a **division equation**.

D. Write your own example of a **division equation** (do not solve).

V. How can you describe, in general, the operation to use to solve each type of equation?