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## Self-Made Assignment - MS Word

### Working with Symbols in MS Word

Make MS Word assignment using symbol option in MS Word.

#### 1. Definition of a Linear Equation

A linear equation in one variable has the general form:

$$ax+b=0$$

Use the **Symbols** option to insert the variable  $x$ , and ensure the equation is formatted properly.

#### 2. Solving a Simple Linear Equation

Solve the equation  $2x+3=7$

- a. Subtract 3 from both sides:

$$2x=7-3$$

- b. Simplify:

$$2x=4$$

- c. Divide both sides by 2:

$$x=4/2$$

$$x=2$$

Insert the fraction symbol using the **Symbols** option.

#### 3. Word Problem Using Linear Equations

A number is 5 more than twice another number. If their sum is 17, find the numbers.

- a. Let the first number be  $x$ .  
b. The second number is  $2x+5$ .  
c. Form the equation:

$$x+(2x+5)=17$$

- d. Solve for  $x$  and find both numbers.

#### 4. Graph of a Linear Equation

Insert a simple graph of the linear equation  $y=2x+1$  using the **Insert** tab in MS Word.

