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**Solutions to Equations**

Just like we move from equations to solution by solving the equation to find the value of the variable, we can move from solution to the equation.

A solution in itself is a simplified version of the equation. Hence it is possible to create an equation from a solution. Importantly, it is possible to create multiple equations from a solution.

Problem: Construct 3 equations starting with x = 2

**Solution**:

Using the property that a mathematical operation on both sides of an equation leaves the equation undisturbed, we get:

X=2

Adding 2 on both sides, we get the first equation:

X+2 = 2+2

X+2 = 4.

Multiplying both sides of equation 1by 3, we get the second equation:

2(X+2) =8

Subtracting 5 from both sides of the original equation given , we get the third equation:

X-5 = 2-5

X-5= -3