# ****Absolute Value Equations****

The absolute value of is written as . It has the following properties:

If then

If then

An absolute value equation in the form has the following properties:

If then has

If then has

If then has

## Steps to Solving Absolute Value Equations

The following steps are used to manipulate an equation and isolate the unknown variable.

1)

2)

Examples: For each problem below, solve for .