

# Solving Absolute Value Equations

Step 1: Isolate the absolute value.

Step 2: Set up two equations. One equation is equal to the positive value and the other is equal to the negative value.

Step 3: Solve both equations.

1. Solve the following equations.

a)  $|2x - 1| = 7$

b)  $-3|8 - 2a| + 9 = 1$

c)  $|3x-6|+9=5$

d)  $\left|-\frac{2}{3}m-8\right|=10-m$

e)  $|2x-3| = |-3x-6|$