

## Solving Radical Equations

Step 1: Isolate the radical symbol and square both sides of the equation.

Step 2: Solve for the variable.

Step 3: Check your answer.

1. Solve each equation.

a)  $\sqrt{x+2} = 5$

b)  $\sqrt{3x-5} = 4$

c)  $\sqrt{x+2} = -5$

$$d) \sqrt{x+6} = x$$

$$e) \sqrt{42-x} = x$$

$$f) \sqrt{x-1} = x-1$$

$$g) \sqrt{x^2 + 6x + 2} = x + 1$$