Find the roots (solutions) of the equation.

$$5(x-1)^2 - 80 = 0$$

$$+80 \quad +80$$

$$\frac{5(x-1)^2}{5} = \frac{80}{5}$$

$$\sqrt{(x-1)^2} = \pm\sqrt{16}$$

$$(x-1) = \pm 4$$

$$+1 \quad +1$$

$$x = 1 \pm 4$$

$x = 1 + 4$ $\qquad$ $x = 1 - 4$

$x = 5$ $\qquad$ $x = -3$

Solve Equation → SA DM E P

- Subtraction, Addition
- Division, Multiplication
- Exponents
- Parentheses

Be Careful!

This does not become ± 5.