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5.2 Solving Quadratic Equations

$$x^2 = 16$$
 $x^2 = 16$
 $x^2 = 16$
 $x = \pm 4$
 $x = \pm 4$
 $x^2 = 16$
Solve

 $x^2 - 16 = 0$
Factor $(x + 4)(x - 4) = 0$
Solve

 $x^2 - 45$
Solve

 $x^2 - 45$
 $x^2 - 45$

$$\frac{2x^{2}}{x^{2}} = \frac{18}{2}$$

$$\frac{18}{2}$$

$$x = \pm 3$$

$$\frac{4x^{2}}{4} = \frac{1}{4}$$

$$x = \pm \frac{1}{2}$$

$$x = \pm \frac{1}{2}$$

$$x = \pm \frac{1}{2}$$

$$4x^{2} = 0$$

$$x = 0$$

$$x = 0$$

$$x = 0$$

$$x = -5 = 6$$

$$x = -5 = 6$$

$$x = -1 = 2$$

$$x = -$$

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$$(x-5)^{2} = 16$$

$$x=\pm 4$$

$$(x-5)^{2} = 16$$

$$x=\pm 4$$

$$x-5 = \pm 4$$

$$x-5 = \pm 4$$

$$x-6 = 1$$

$$x=9$$

$$x=9$$

$$x=1$$

$$x=1$$