Adding 9 to both sides

Adding 9 to both sides

$$x^2 - 9 + 9 = 0 + 9$$

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 $x^2 = 9$

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$$x^2 - 9 + 9 = 0 + 9$$
$$x^2 = 9$$

$$\sqrt{x^2} = \sqrt{9}$$

Adding 9 to both sides

$$x^2 - 9 + 9 = 0 + 9$$
$$x^2 = 9$$

$$\sqrt{x^2} = \sqrt{9} = 3$$

Adding 9 to both sides

$$x^2 - 9 + 9 = 0 + 9$$
$$x^2 = 9$$

$$|x| = \sqrt{x^2} = \sqrt{9} = 3$$

Adding 9 to both sides

$$x^2 - 9 + 9 = 0 + 9$$
$$x^2 = 9$$

$$|x| = \sqrt{x^2} = \sqrt{9} = 3$$
$$x = \pm 3$$