

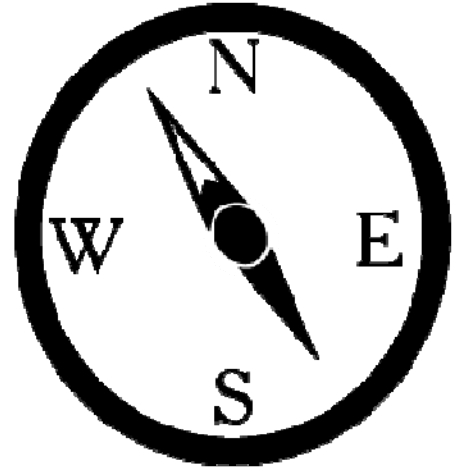
Name _____

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Solving Quadratic Equations - Step-by-Step Lesson

Solve the Quadratic Equation

$$a^2 + 15a = 0$$



Explanation:

The common factor is a .

$$a(a + 15)$$

Use the zero product property to solve. According to the zero product property, if $a(a + 15) = 0$, then a must be 0 or $a + 15$ must be 0.

$$a = 0 \quad a + 15 = 0$$

$$a = -15$$

The solution is

$$a = 0 \quad \text{or} \quad a = -15.$$

