Journal Prompts

Use your vocabulary words as necessary.

Does an equation have to be set equal to zero to use the Zero Product Property? Explain.

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Your friend is completely confounded by the Zero Product Property. Tell your friend how to use the Zero Product Property to solve $x^2 + 6x = 0$.

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Your friend says that you cannot use the Zero Product Property to solve the equation $x^2 = 100$. Do you agree or disagree? Be sure to justify your answer.

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VOCABULARY

quadratic equation – an equation that can be written in the form $y = ax^2 + bx + c$, where $a \neq 0$

Zero Product Property – if the product of factors is 0, then at least one of the factors must be equal to 0

How confident are you in your ability to solve equations using the Zero Product Property?

CONFIDENCE BAR

Shade in your confidence level for this unit.