Quadratic Equations

Quick Study Guide

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* (x + 3)(x + 4)

Mnemonic: "FACTOR KARO'

- Find ac value

Add to get b

- Check factors

- Organize terms

- Right factors

OUICK STEPS:

SPLIT GAME

For x² + 5x + 6:

1. ac = 1 × 6 = 6

4. (x + 2)(x + 3)

2. That adds to b = 5

3. Factors: 2 and 3

- Try pairs

С

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 \neq Then pieces $[\pm \sqrt{(b^2 - 4ac)/2a}]$

First half [-b/2a]

CLICK HERE >>

* D < 0: Imaginary roots

Where D = b² - 4ac

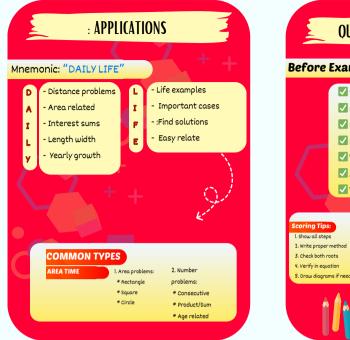


3. Put conditions

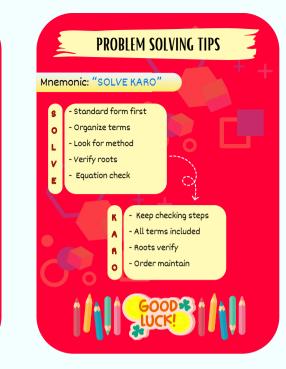
4. Apply methods

* Width = x + 2

* Area = x(x + 2)







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