

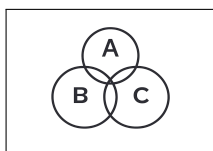
11

Factoring and Solving Factoring Formulas

H



$$x^3 - 2^3 = (x - 2)(x^2 + 2x + 2^2) = (x - 2)(x^2 + 2x + 4)$$



$$x^3 - a^3 = (x - a)(x^2 + ax + a^2)$$



$$x^3 - 4^3 = ?$$

11

Factoring and Solving Factoring Formulas

H



$$x^3 - 4^3 = (x - 4)(x^2 + 4x + 4^2) = (x - 4)(x^2 + 4x + 16)$$