

11

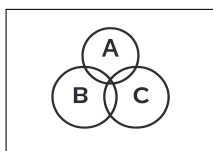
Factoring and Solving Factoring Formulas

F



$$(x - 2)^3 = x^3 - 3 \times 2 \times x^2 + 3 \times 2^2 \times x - 2^3$$

$$(x - 2)^3 = x^3 - 6x^2 + 12x - 8$$



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



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

11

Factoring and Solving Factoring Formulas

F



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

$$(x - 4)^3 = x^3 - 12x^2 + 48x - 64$$