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Factoring Binomials (Cubes), page 3

Example 4: $2x^3 + 16$	Sum of Cubes problem $a^3 + b^3 = (a + b)(a^2 - ab + b^2)$
( ) ( )	Step 1: Set signs for the factors.
a = _____ b = _____	Step 2: Find the cube root of a^3 and b^3.
a^2 = _____ b^2 = _____	Step 3: Square a and b.
$a \cdot b$ = _____	Step 4: Multiply a times b.
	Step 5: Fill in the fields for your formula..
	Step 6: Multiply to check.

Example 5: $27x^4y^5 - xy^2$	Difference of Cubes problem $a^3 - b^3 = (a - b)(a^2 + ab + b^2)$
( ) ( )	Step 1: Set signs for the factors.
a = _____ b = _____	Step 2: Find the cube root of a^3 and b^3.
a^2 = _____ b^2 = _____	Step 3: Square a and b.
$a \cdot b$ = _____	Step 4: Multiply a times b.
	Step 5: Fill in the fields for your formula..
	Step 6: Multiply to check.