

A.1 Difference of Two Cubes and Sum of Two Cubes

$$a^3 - b^3 = (\quad) (\quad)$$

S O P P S

S-

O-

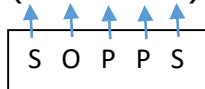
P-

P-

S-

Find each product.

1. $(x - 3)(x^2 + 3x + 9)$



2. $(2y - 5)(4y^2 + 10y + 25)$

3. $(x - 4y)(x^2 + 4xy + 16y^2)$

Factor

4) $27x^3 + 64$

5) $125a^3 - 1$

6) $54z^6 - 2$

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