

Special Factors

Cubes

**Sum
of
Cubes**

$$x^3 + y^3$$

$$x^3 + 8$$

**Difference
of
Cubes**

$$x^3 - y^3$$

$$x^3 - 125$$

First one, second one, first one squared.

First one times the second one, second one squared.

*First signs the same, second signs not,
last sign is always plus,
and here's what you got.*