

DIFFERENZA DI QUADRATI = SOMMA PER DIFFERENZA

$$\begin{array}{ccc} 4a^2 - 9b^2 = (2a + 3b)(2a - 3b) \\ \downarrow \quad \quad \downarrow \\ (2a)^2 \quad (3b)^2 \end{array}$$

ESERCIZI:

$$\begin{array}{ccc} 16a^2 - b^2 = (\quad + \quad)(\quad - \quad) \\ \downarrow \quad \quad \downarrow \\ (\quad)^2 \quad (\quad)^2 \end{array}$$

$$\begin{array}{ccc} x^2 - 25 = (\quad + \quad)(\quad - \quad) \\ \downarrow \quad \quad \downarrow \\ (\quad)^2 \quad (\quad)^2 \end{array}$$

$$\begin{array}{ccc} 64x^2 - 9y^2 = (\quad + \quad)(\quad - \quad) \\ \downarrow \quad \quad \downarrow \\ (\quad)^2 \quad (\quad)^2 \end{array}$$

$$\begin{array}{ccc} a^2 - 81b^2 = (\quad + \quad)(\quad - \quad) \\ \downarrow \quad \quad \downarrow \\ (\quad)^2 \quad (\quad)^2 \end{array}$$

QUADRATO DI BINOMIO

$$9a^2 + \textcircled{6ab} + b^2 = (3a + b)^2$$

\downarrow \downarrow

$$(3a)^2 \qquad (b)^2$$

I DUE TERMINI $9a^2$ E b^2 SONO IL QUADRATO DI $3a$ E b

IL DOPPIO PRODOTTO (2 per) DELLE BASI $3a$ E b è:

$$2 \cdot (3a) \cdot (b) = \textcircled{6ab}$$

ESERCIZI:

$$16a^2 + 8a + b^2 = (\quad + \quad)^2$$

\downarrow \downarrow

$$(\quad)^2 \qquad (\quad)^2$$
$$2 \cdot (\quad) \cdot (\quad) =$$

$$4x^2 + 20x + 25 = (\quad + \quad)^2$$

\downarrow \downarrow

$$(\quad)^2 \qquad (\quad)^2$$
$$2 \cdot (\quad) \cdot (\quad) =$$