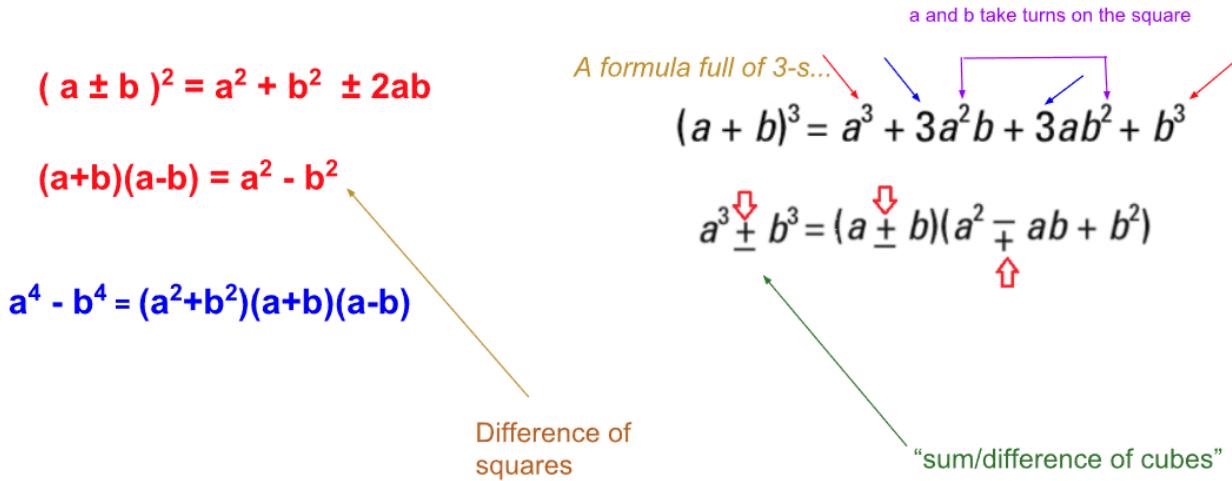


Formulas to Remember



Exponent Laws

$$a^{-n} = \frac{1}{a^n}, \quad a \neq 0$$

$$a^{\frac{1}{n}} = \sqrt[n]{a}, \quad n > 0$$

$$(a^m)(a^n) = a^{m+n}$$

$$a^m \div a^n = a^{m-n}$$

$$(a^m)^n = a^{mn}$$

$$(ab)^m = a^m b^m$$

$$\left(\frac{a}{b}\right)^m = \frac{a^m}{b^m}, \quad b \neq 0$$