

$$1 \mid x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

2 | trig

$$2.1 \mid \sin(a + b) = \sin a \cos b + \cos a \sin b$$

$$2.2 \mid \cos(a + b) = \cos a \cos b - \sin a \sin b$$

3 | cubes

$$3.1 \mid a^3 + b^3 = (a + b)(a^2 + b^2 - ab)$$

$$3.1.1 \mid a^3 - b^3 = (a - b)(a^2 + b^2 + ab)$$

$$3.2 \mid (a + b)^3 = a^3 + b^3 + a^2b + b^2a$$