



$$e^2 \cdot a^2 = a^2 - b^2$$

$$f \cdot a = a - b$$

$$e^2 = \frac{a^2 - b^2}{a^2}$$

$$f = \frac{a - b}{a}$$

$$e^2 = 1 - (1 - f)^2$$

$$b = a - f \cdot a$$

$$e^2 = 2f - f^2$$

$$b = a(1 - f)$$