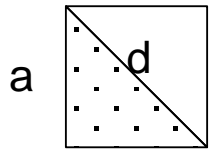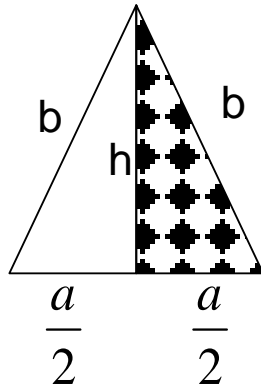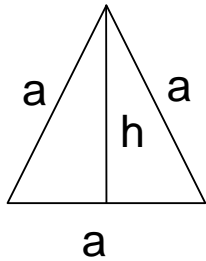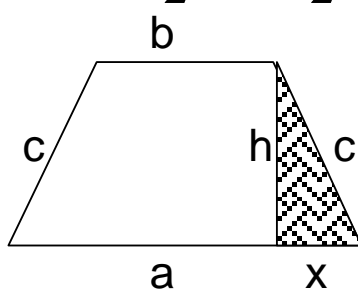$$d^2 = a^2 + b^2$$

$$d = a\sqrt{2}$$
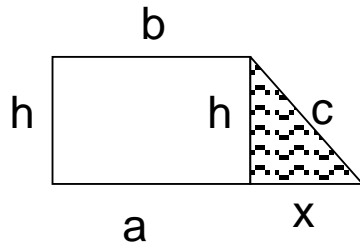
$$b^2 = \left(\frac{a}{2}\right)^2 + h^2$$

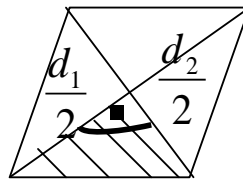$$h = \frac{a\sqrt{3}}{2}$$

$$P = \frac{a^2\sqrt{3}}{4}$$

$$x = \frac{a-b}{2}$$

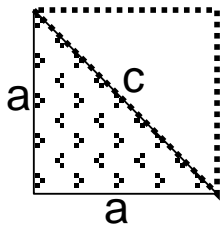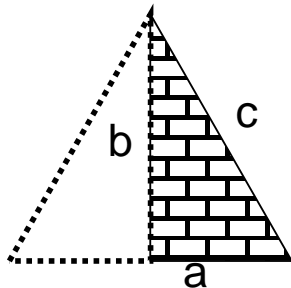$$c^2 = h^2 + \left(\frac{a-b}{2}\right)^2$$

$$x = a - b$$

$$c^2 = h^2 + (a-b)^2$$

$$a^2 = \left(\frac{d_1}{2}\right)^2 + \left(\frac{d_2}{2}\right)^2$$

$$c = a\sqrt{2}$$

$$a = \frac{c}{2}$$

$$b = \frac{c\sqrt{3}}{2}$$