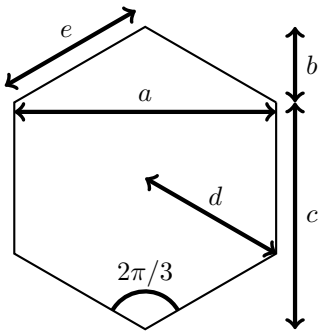

$$a = 2e\cos\left(\frac{\pi - 2\pi/3}{2}\right) = \sqrt{3}e \tag{1}$$

$$b = e\sin\left(\frac{\pi - 2\pi/3}{2}\right) = \frac{1}{2}e \tag{2}$$

$$\left(\frac{a}{2}\right)^2 + b^2 = e^2 \tag{3}$$

$$c = b + e = \frac{3}{2}e \tag{4}$$

$$d = \frac{e/2}{\cos(\pi/3)} = e \tag{5}$$

$$\text{Area} = 6\left[\frac{1}{2}e\frac{a}{2}\right] = \frac{3\sqrt{3}}{2}e^2 \tag{6}$$

$$e = \sqrt{\frac{2\text{Area}}{3\sqrt{3}}} \tag{7}$$