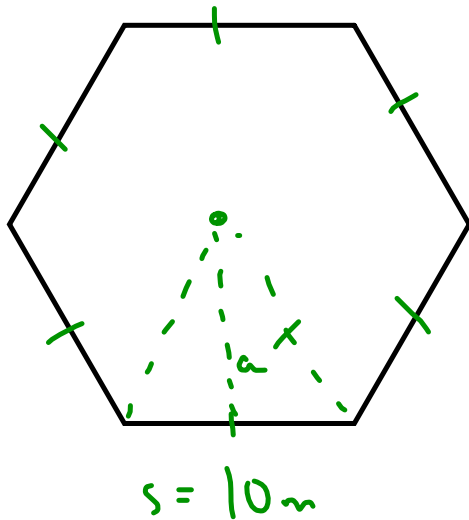


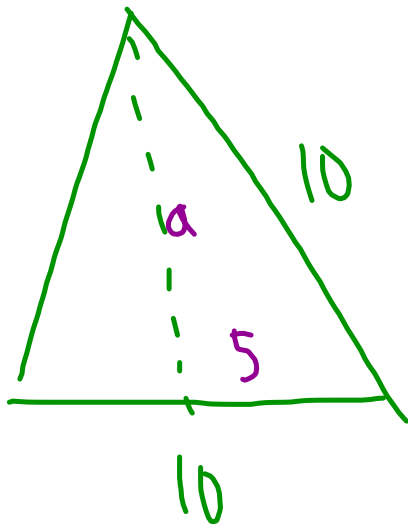
p.125 #5-8



$$P = 60\text{m}$$

$$s = \frac{60\text{m}}{6} = 10\text{m}$$

$$A = \frac{n \cdot s \cdot a}{2}$$



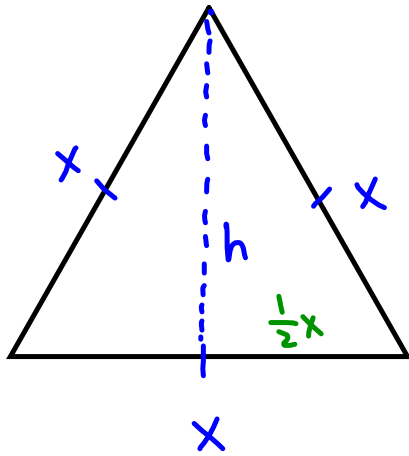
$$a^2 + 5^2 = 10^2$$

$$a^2 + 25 = 100$$

$$a^2 = 75$$

$$a = \sqrt{75}$$

$$= 8.66\text{m}$$



$$\left(\frac{1}{2}x\right)^2 + h^2 = x^2$$

$$\frac{1}{4}x^2 + h^2 = x^2$$

$$h^2 = \frac{3}{4}x^2$$

$$h = \sqrt{\frac{3}{4}}x \approx 0.866x$$

$$A = 60 \text{ m}^2$$

$$\frac{bh}{2} = 60$$

$$\frac{xh}{2} = 60$$

$$\frac{x(0.866x)}{2} = 60$$

$$0.433x^2 = 60$$

$$x^2 = 138.6$$

$$x = \sqrt{138.6}$$

$$x = 11.8 \text{ m}$$