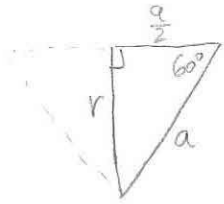


generell!

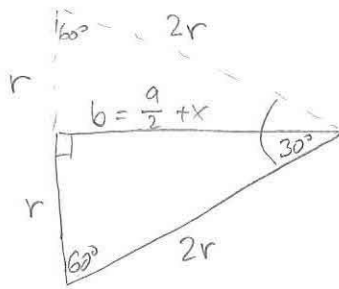


$$a^2 - \left(\frac{a}{2}\right)^2 = r^2$$

$$\frac{3}{4}a^2 = r^2$$

$$\left(\frac{a}{2}\right)^2 = \frac{r^2}{3}$$

$$\frac{a}{2} = \frac{1}{3}r\sqrt{3} \text{ cm}$$



$$b^2 = (2r)^2 - r^2 = 3r^2$$

$$b = r\sqrt{3}$$

$$x = b - \frac{a}{2} = r\sqrt{3} - \frac{1}{3}r\sqrt{3} = \frac{2}{3}r\sqrt{3}$$

$$x = \frac{2}{3}r\sqrt{3}$$

$$r = 6 \text{ cm}$$

$$x = \frac{2}{3} \cdot 6\sqrt{3} = 4\sqrt{3} \text{ cm}$$