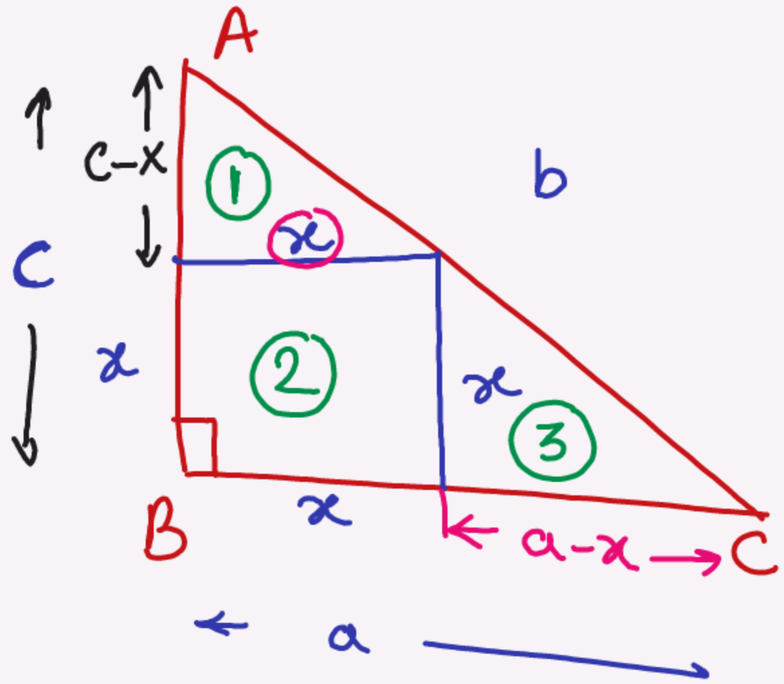
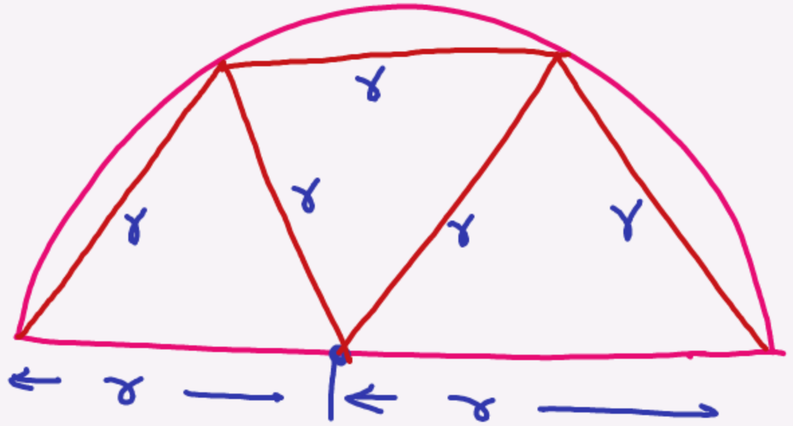


$$\frac{ac}{2} = \frac{cx}{2} + \frac{ax}{2}$$

$$\frac{ac}{a+c} = x$$

$$\frac{1}{2}axc = \frac{1}{2}x(c-x) + x^2 + \frac{1}{2}(a-x)x$$

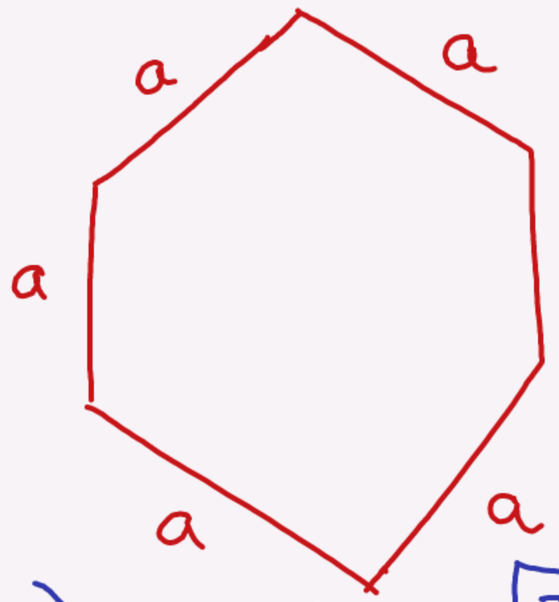
$$\frac{ac}{2} = \frac{cx}{2} - \frac{x^2}{2} + x^2 + \frac{1}{2}ax - \frac{x^2}{2}$$



(क्योंकि)

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

सम बहुभुज (Regular Polygon)



n = 6

Sum All In. = 720

each In. ⇒ 120°

each Ext. ⇒ 60°

सभी बाह्य कोणों का योग

Sum of all External angle

⇒ 360°

⇒ $\frac{360°}{n}$

आन्तरिक कोणों का योग

$I + E = 180°$

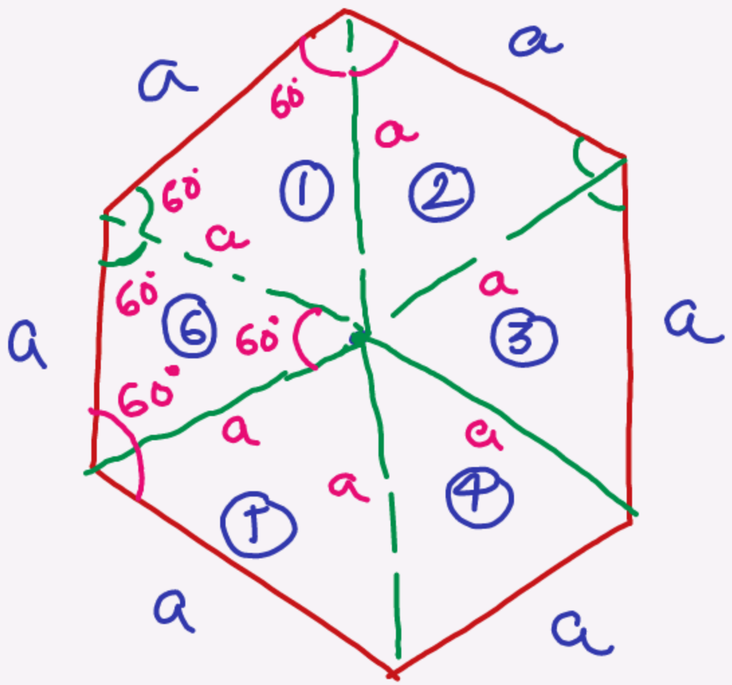
n Side Sum of all Internal angle

$$\Rightarrow \frac{(2n-4)90°}{n} = \text{each Internal angle}$$

प्रत्येक आन्तरिक

hexagon

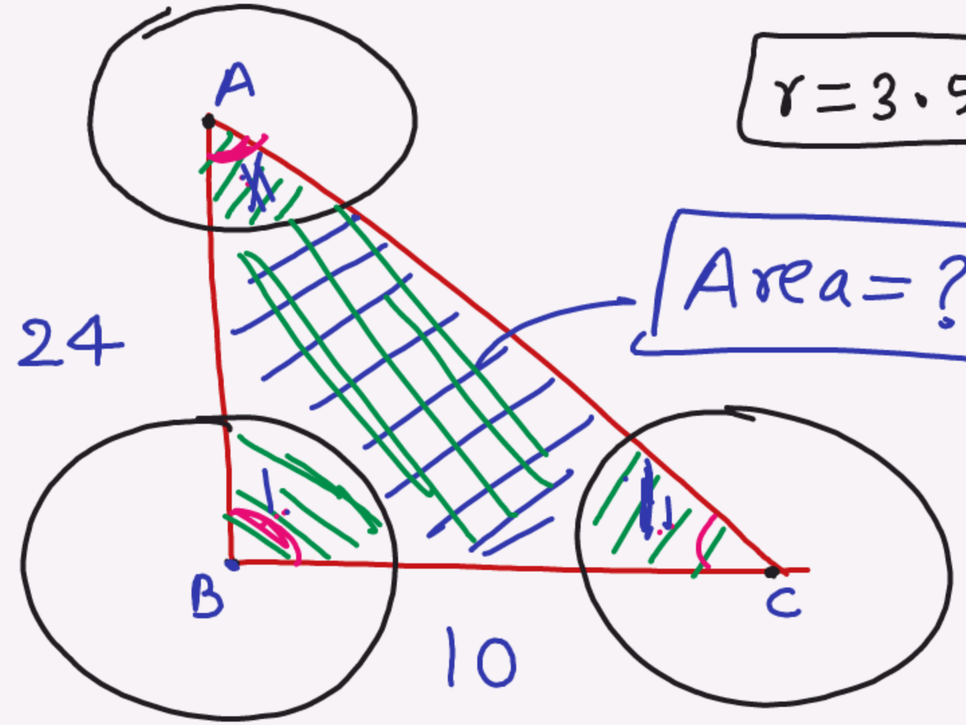
सम(4 से ऊपर)



$\longrightarrow 6 \times \frac{\sqrt{3}a^2}{4}$

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

$\therefore$



$r = 3.5\ cm$

Area = ?

360°

πr^2

120

$-\ 19.25$

100.75

$\frac{1}{2} \times 10 \times 24$

$\Rightarrow 120$

$\frac{\pi r^2}{2}$

$-\ \frac{22}{7} \times 3.5 \times 3.5$

$\frac{11}{7} \times 3.5 \times 3.5$

175

17.5

19.25

Circle

$\frac{22}{7}$ π

γ