

$$BC = 3x, AC = 2x \quad \text{172 Jc. 5}$$

$$\frac{BC}{\sin(\alpha)} = \frac{AC}{\sin(\angle ABC)} \quad \because \triangle ABC \rightarrow \text{similar (AAS)}$$

$$\frac{3x}{0.866} = \frac{2x}{\sin(\angle ABC)} \quad \because x, \frac{x}{0.866} =$$

$$\frac{3}{0.866} = \frac{2}{\sin(\angle ABC)} \quad \backslash =$$

$$\sin(\angle ABC) = 0.577 \quad \backslash =$$

$$\boxed{\angle ABC = 35.263}$$

$$AC = 8, BD = DC = 6 \quad \text{51c. 172 Jc. AD, BC = 12} \quad \begin{matrix} \text{51c. 172 Jc. AD, BC = 12} \\ \triangle ABC \rightarrow 180^\circ - 8 \quad \text{and} \quad \angle C = 24.737 \\ \therefore \triangle ACD \rightarrow \text{similar (AAS) AD = 3.58} \end{matrix}$$

$$AD^2 = AC^2 + DC^2 - 2 \cdot AC \cdot DC \cdot \cos(\angle C) \quad \backslash =$$

$$AD^2 = 64 + 36 - 2 \cdot (8 \cdot 6) \cdot \cos(24.737)$$

$$AD^2 = 100 - 87.19 \quad \backslash =$$

$$AD^2 = 12.809$$

$$\cancel{AD = 3.58}$$

$$\boxed{AD = 3.58} \quad \therefore$$

پہلی س

AB کے لئے $\frac{AD}{AF} = \frac{83\text{N}}{6\text{N}}$ کے طبق
وہی ممکن نہیں

لیکن اگر کوئی ایسا گھاٹ کی وجہ
کے لئے $\frac{AC}{AF} = \frac{12\text{N}}{6\text{N}}$

$\therefore \Delta ADC$ کا مولید (جسے $\sin(\theta_{80,1}) = 0.935$) 24.737 = $\frac{AC}{AF}$

$$\frac{AC}{\sin(\angle ADF)} = \frac{AD}{\sin(\angle C)} \Rightarrow$$

$$\frac{8}{\sin(\angle ADF)} = 8.555 \Rightarrow$$

$$0.935 = \sin(\angle ADF)$$

$$6.9.25 = \frac{AC}{AF}$$

$\angle ADB = 110.75^\circ$ لیکن اس کے لئے اندھا

$\angle BAD = 33.987^\circ$ لیکن ΔBAO کا (80° - 5°) اندھا

$$S = \frac{1}{2} \cdot AG \cdot AF \cdot \sin(\angle GAF) \Rightarrow$$

$$2 = \frac{1}{2} \cdot AG \cdot 1.79 \cdot 0.559 \Rightarrow$$

$$\boxed{AG = 4}$$