

$$AD = \frac{1}{2} AB$$

$$BE = \frac{3}{4} BC$$

$$A_{ADE} = \frac{AD \cdot EM}{2}$$

$$\sin 60^\circ = \frac{EM}{BE}$$

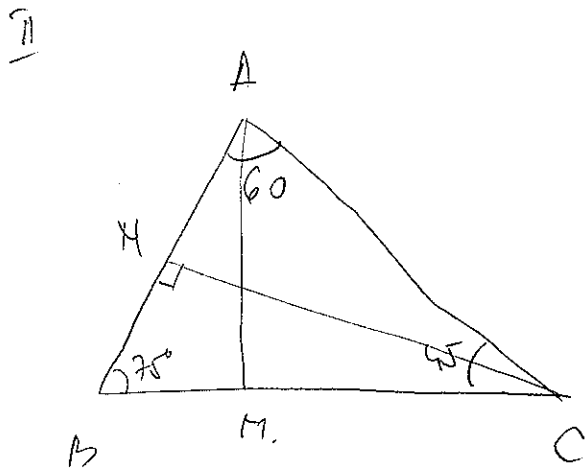
$$EM = BE \sin 60^\circ$$

$$A_{ADE} = \left(\frac{1}{2} AB \cdot BE \sin 60^\circ \right) \cdot \frac{1}{2}$$

$$= \frac{1}{2} \cdot \frac{6^3}{4} \cdot \frac{3}{4} \cdot \frac{6}{24} \cdot \frac{\sqrt{3}}{2} \cdot \frac{1}{2}$$

$$A_{ADE} = 54\sqrt{3}$$

Mai verifică calculul ardei
Se nu ti greșit.



$$AB = 12$$

$$\hat{B} = 180 - 60 - 45$$

$$\hat{B} = 75^\circ$$

$$\sin 75^\circ = \frac{AM}{AB} \Rightarrow AM = AB \cdot \sin 75^\circ$$

$$\sin 45^\circ = \frac{AM}{AC} \Rightarrow AC = \frac{AM}{\sin 45^\circ}$$

$$AC = \frac{AB \sin 75^\circ}{\sin 45^\circ} = \frac{12 \sin 75^\circ}{\sin 45^\circ}$$

$$\sin 60^\circ = \frac{MC}{AC} \Rightarrow MC = AC \sin 60^\circ$$

$$MC = 12 \frac{\sin 75^\circ}{\sin 45^\circ} \cdot \sin 60^\circ$$

$$A_{ABC} = \frac{AB \cdot MC}{2} = \dots$$

Pentru perimetrul treimie del si BC,

$$\sin 75^\circ = \frac{MC}{BC} \Rightarrow BC = \frac{MC}{\sin 75^\circ} = \dots$$