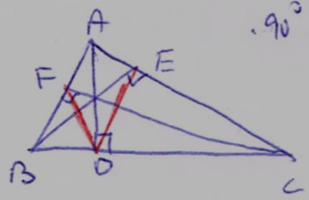
1.50
2



א. E ו-D רואות את AB בזווית 90°.

ב. $\sphericalangle AED + \sphericalangle B = 180°$

$\sphericalangle AED + \sphericalangle CED = 180°$

$\rightarrow \sphericalangle B = \sphericalangle CED$

$\sphericalangle C$ משותפת

⇓

$\frac{DE}{AB} = \sqrt{\frac{S_{DEC}}{S_{ABC}}} = \frac{1}{3} \Leftarrow (SS)\ \triangle ABC \sim \triangle DEC$

ג. $18\sqrt{2} = \frac{AB \cdot CF}{2} \rightarrow CF = 3\sqrt{2} \Leftarrow AB = 3DE = 12$

ד. ראה ס 1.57 ד6