



זווית $\angle ADB = 90^\circ$
 זווית $\angle ADB = 90^\circ \leftarrow BD \perp AC$
 AC δ ממוקם BD

$$AB = \sqrt{BD^2 + AD^2} = \sqrt{40}$$

\equiv

זווית $\angle ADB = \angle AEB$

$$\Rightarrow \angle DEC = \angle A$$

(S.S) $\triangle ABC \sim \triangle EDC \leftarrow$

$$\frac{AB}{DC} = \frac{CE}{AC} \rightarrow \frac{\sqrt{40}}{2} = \frac{CE}{\sqrt{40}}$$

$$CE = \frac{8}{\sqrt{40}} = \frac{4}{\sqrt{10}}$$

זווית $\angle ADB = \angle AEB$ זווית $\angle ADB = \angle AEB$

$$\frac{S_{CDE}}{S_{ABC}} = \left(\frac{2}{\sqrt{40}}\right)^2 \rightarrow S_{CDE} = \frac{64}{2} \cdot \frac{4}{40} = \frac{24}{20} = \frac{6}{5}$$