

$$\frac{1.65}{6} \textcircled{10} \text{ (S.S.S) } \triangle APE \cong \triangle QCS \rightarrow AE = SQ \\ PE = SC$$

$$PR + SQ = ED + AE = AD$$

$$RS = RD + DS = PE + DS = SC + DS = DC = \frac{1}{2} BC$$

$$S_{PQRS} = \frac{(PR + SQ)RS}{2} = \frac{AD \cdot DC}{2} = \frac{AD \cdot \frac{1}{2} BC}{2} = \frac{1}{2} S_{ABC}$$

בדיוקנות נובע 130

$$\textcircled{7} \triangle APP_1 \sim \triangle ABB'$$

$$\frac{PP_1}{BB'} = \frac{AP}{AB} \rightarrow \frac{PP_1}{H} = \frac{a-x}{a} \rightarrow PP_1 = \frac{H(a-x)}{a}$$

$$S_{APQ} = \frac{PP_1 \cdot AQ}{2} = \frac{H(a-x)x}{2a}$$

$$\textcircled{8} S = \frac{-4x^2 - 4ax}{2a} = \frac{H}{2a}(-x^2 + ax)$$

$$\frac{a}{2} \leftarrow \frac{-a}{-2} \quad \text{הערות על הקצוות}$$