



א. דלתון

ב.

$FD = BC \iff$ מקבילית $BCDF$
 $EF = FD \iff$ $EF \parallel BC$ ו- $EF \perp AC$ (מכיוון ש- $AC \perp BC$)
 $\angle A = \angle AEF$
 $180^\circ = \angle A + \angle BEF = \angle A + \angle B \implies \boxed{\angle BEF = \angle B}$
 $EC = BF$ (3S3) $\implies \triangle BEF \cong \triangle BEC \iff$
 $\boxed{EC = CD}$