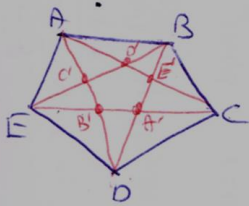


3.14  
6



$$(3.3.3) \triangle EAB \cong \triangle AFD \cong \triangle BCD \cong \triangle CDE \cong \triangle DEA$$

↓

$$EB = AC = BD = CE = AD$$

$$(3.3.3) \triangle ADC \cong \triangle BED \cong \triangle CAE \cong \triangle DBA \cong \triangle EBC$$

↓

$$\angle DAC = \angle DBE = \angle ACE = \angle ADB = \angle BEC$$

$$(3.3.3) \triangle BE'C \cong \triangle CA'D \cong \triangle DB'E \cong \triangle EC'A \cong \triangle AD'B$$

↓

$$\angle E' = \angle A' = \angle B' = \angle C' = \angle D'$$

(הייתם יכולים לראות זאת גם באמצעות הסימטריה)

↓

$$(3.3.3) \triangle E'C \cong \triangle A'C \cong \triangle D'A \cong \triangle B'D \cong \triangle E'B \cong \triangle C'E \cong \triangle A'D \cong \triangle B'A \cong \triangle E'B$$

↓

$$(3.3.3) \triangle A'D'E' \cong \triangle B'D'E' \cong \triangle C'E'A' \cong \triangle D'A'B' \cong \triangle E'B'C'$$

↓

$$A'E' = A'B' = B'C' = C'D' = D'E'$$