

0.3
5

(7)

G - I E) \angle EGN \sim \angle AEGB \angle AEN
(\angle EGN \parallel \angle AEGB \parallel \angle AEN)

\angle B + \angle AEG = 180 = \angle GEC + \angle AEG

$(90^\circ \Rightarrow \angle B = \angle GEC$
 $\angle C = \angle C$ } $\triangle ABC \sim \triangle GEC$

(8)

\angle EGN \sim \angle BIEC \angle AEN

$\angle B + \angle FIEC = 180^\circ \Rightarrow \angle B = \angle AIEF$

$\angle A = \angle A$

\Downarrow

$\triangle ABC \sim \triangle AEF$

(9)

$\angle BEA = 90^\circ = \angle BIEC$ \angle AEN \sim \angle BIEC

$\angle AEF = \angle B = \angle GEC$

$90^\circ - \angle AEF = 90^\circ - \angle GEC$

$\angle FEB = \angle BIEG \Rightarrow FEG \parallel BE$