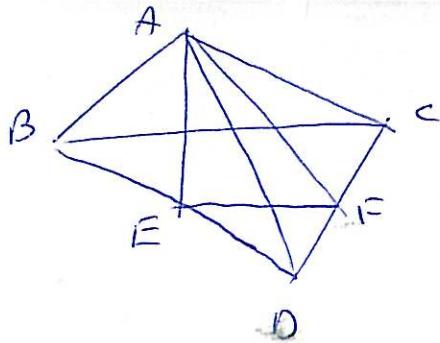


46



(מילים בלבד) $\frac{AB}{AD} = \frac{BE}{ED}$

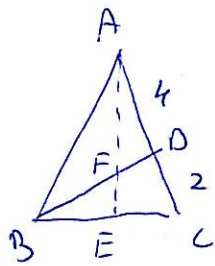
(מילים בלבד) $\frac{AC}{AD} = \frac{CF}{FD}$

(למש) $AB = AC$

\Downarrow

$\frac{BE}{ED} = \frac{CF}{FD} \Rightarrow EF \parallel BC$
(הפסקה)

49



$\frac{AB}{BC} = \frac{6}{3} = \frac{AD}{DC} = \frac{4}{2}$

ל

מילים בלבד \Downarrow
BD

$\frac{AB}{AD} = \frac{BF}{FD}$

$BF = x$
 $FD = a - x$

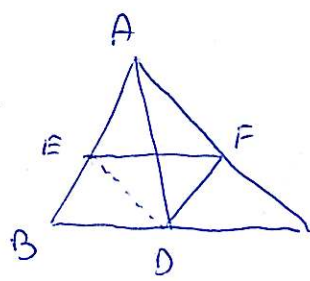
ל"ו) \Downarrow

$\frac{6}{4} = \frac{x}{a-x}$

$6a - 6x = 4x \Rightarrow x = \frac{6a}{10} = \frac{3}{5}a$

$BF = \frac{3}{5}a$ $FD = \frac{2}{5}a$

51



(מילים בלבד) $\frac{AD}{DC} = \frac{AF}{FC}$

ל

(הפסקה) $\frac{AF}{FC} = \frac{AE}{BE}$

$\Rightarrow \frac{AD}{DC} = \frac{AE}{BE}$

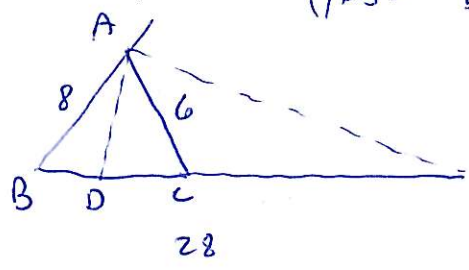
(הפסקה) $\frac{AD}{DC} = \frac{AE}{BE} \Rightarrow \frac{AD}{BD} = \frac{AE}{BE}$

ל

(למש) $DC = BD$

\Rightarrow מילים בלבד \Downarrow
DE

53



(מילים בלבד) $\frac{AB}{AC} = \frac{BE}{CE}$

$CE = x$ מ"ס

$\frac{8}{6} = \frac{28}{x} \Rightarrow x = CE = 21$

$BC = 28 - 21 = 7$

(מילים בלבד) $\frac{AB}{AC} = \frac{BD}{DC}$

$BD = y$ מ"ס

$\frac{8}{6} = \frac{y}{7-y} \Rightarrow y = BD = 4, DC = 3$

$DC = 7 - y$