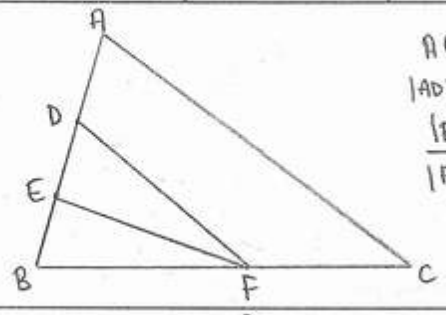
10	Ad Soyad		ARNAVUTKÖY KORKMAZ YİĞİT ANADOLU LİSESİ 2007-2008 EĞİTİM VE ÖĞRETİM YILI II. DÖNEM I. GEOMETRİ I YAZILISI	
	No			

1 — 10 puan

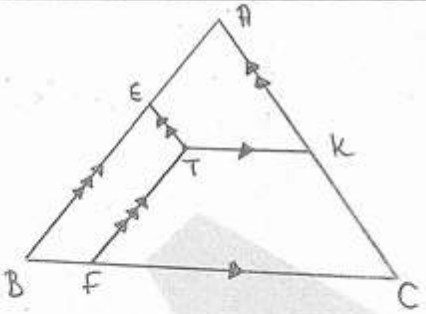


$A(\triangle FDE) = 3$

$|AD| = |DE| = |EB|$

$\frac{|BF|}{|FC|} = \frac{4}{3}$ → $A(\triangle ABC) = ?$

2 — 10 puan



$\triangle ABC$ eşkenar

$|ET| = 3$

$|TF| = 5$

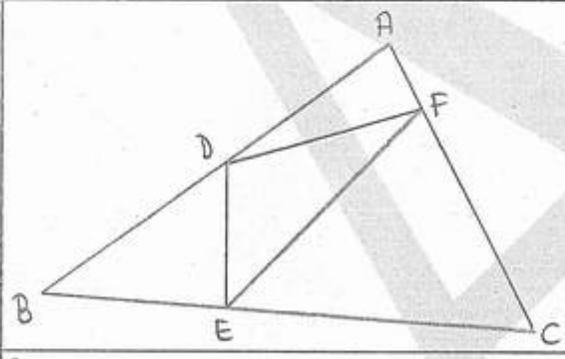
$[ET] \parallel [AC]$

$[TK] \parallel [BC]$

$[TF] \parallel [AB]$

$A(\triangle ABC) = \frac{225\sqrt{3}}{4}$ → $|TK| = ?$

3 — 10 puan



$|AD| = |DB|$

$|CE| = 2|BE|$

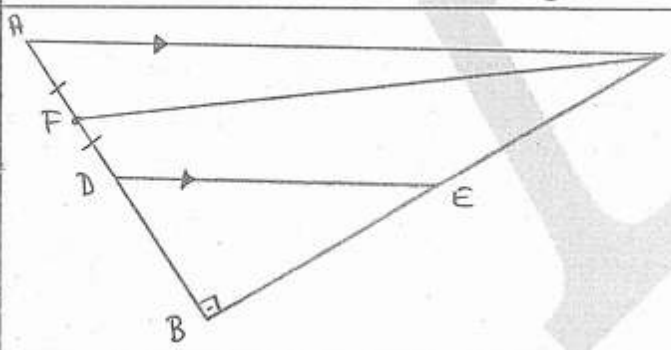
$|CF| = 3|AF|$

$A(\triangle DEF) = 15$

↓

$A(\triangle ABC) = ?$

4 — 10 puan



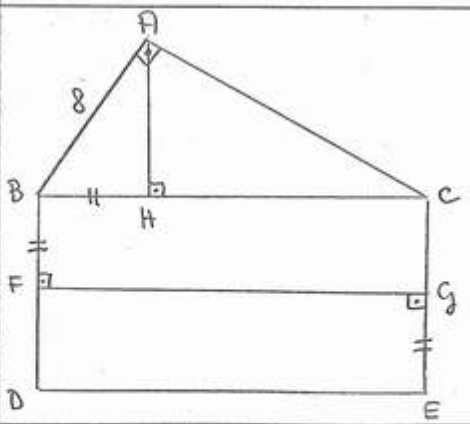
$|EC| = 4$ $\quad |AF| = |FD|$

$|AB| = 8$

$[AC] \parallel [DE]$

$A(\triangle AFC) = ?$

5 — 10 puan

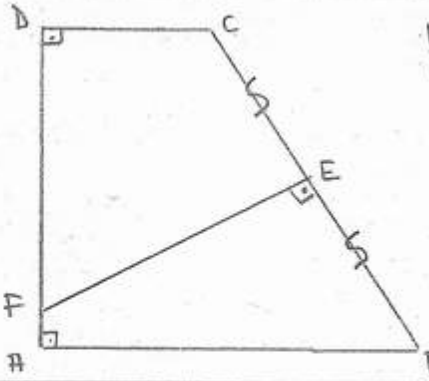


BDCE dikdörtgen

$|BH| = |BF| = |GE|$

$A(BDCE) = ?$

6 — 10 puan



$|CE| = |EB|$
$|AB| = 12$
$|DC| = 5$
$|AD| = 17$
↓
$|AF| = ?$

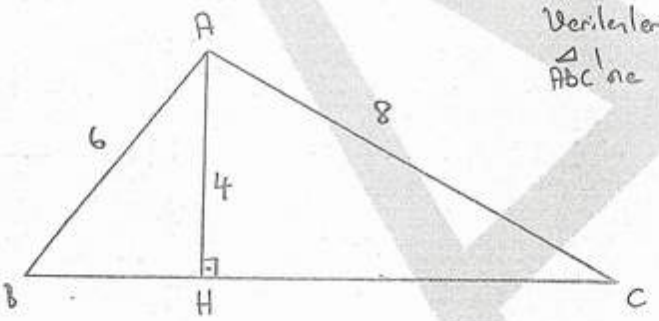
7 — 10 puan

Kenar uzunlukları a, b, c olan bir üçgende; h_a, h_b ve h_c sırasıyla a, b ve c kenarlarına ait yüksekliklerdir.

$$\left|\frac{1}{h_a} - \frac{1}{h_b}\right| < \frac{1}{h_c}$$

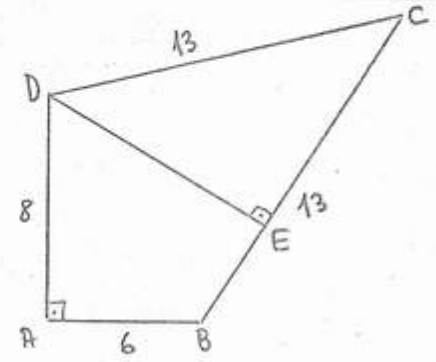
olduğunu gösterin.

8 — 10 puan



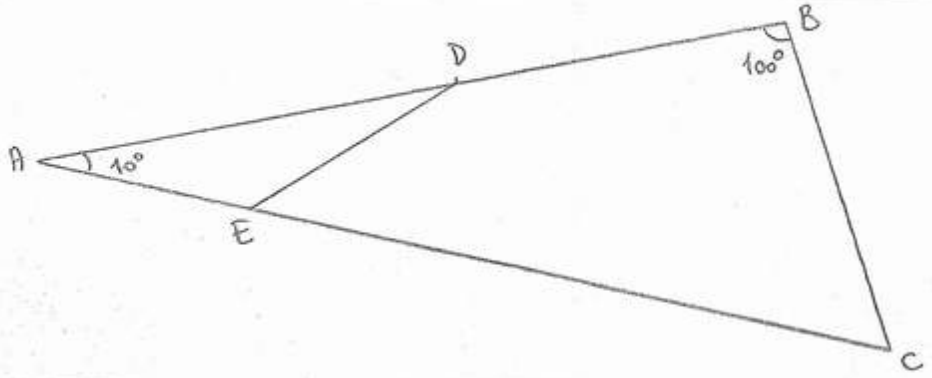
Verilenlere göre,
$\triangle ABC$'ne ait çevrel çemberin yarıçapını bulun.

9 — 10 puan



$|DC| = 13$
$|BC| = 13$
$|AD| = 8$
$|AB| = 6$
↓
$|DE| = ?$

10 — 10 puan



$|ED| = |DB| = |BC|$
$m(EDB) = ?$