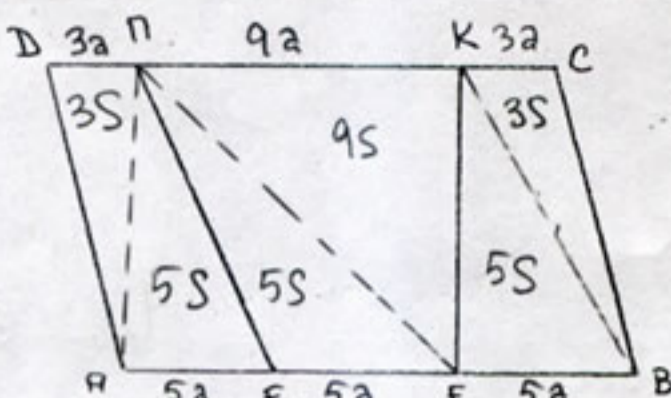
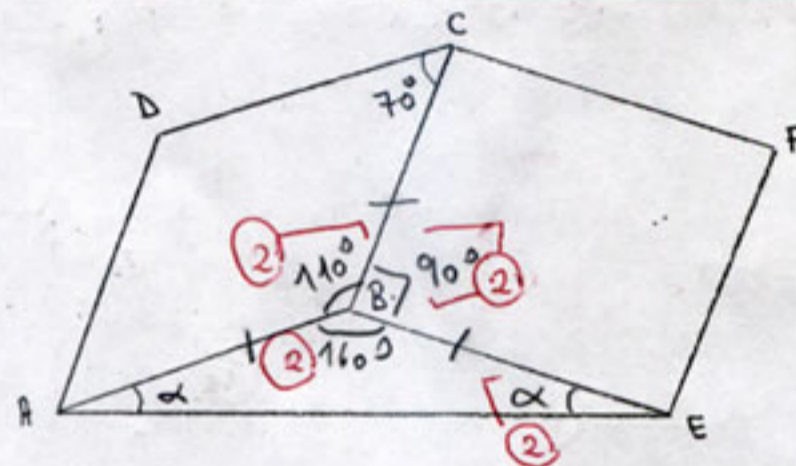
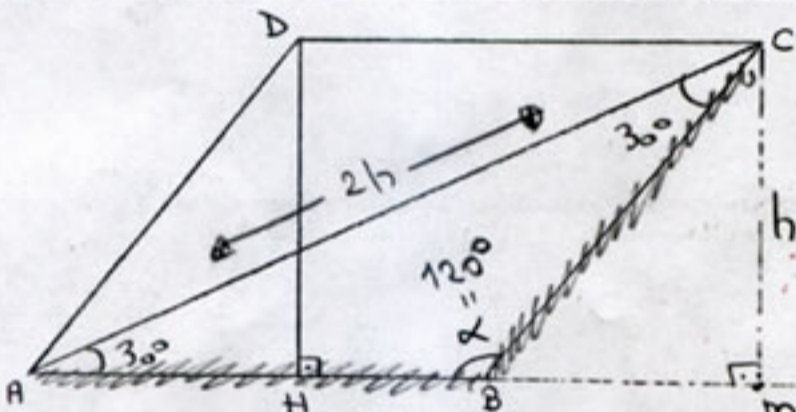
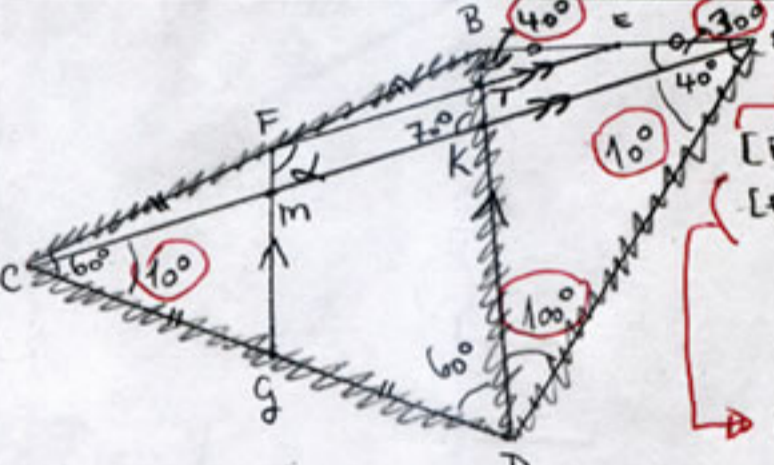
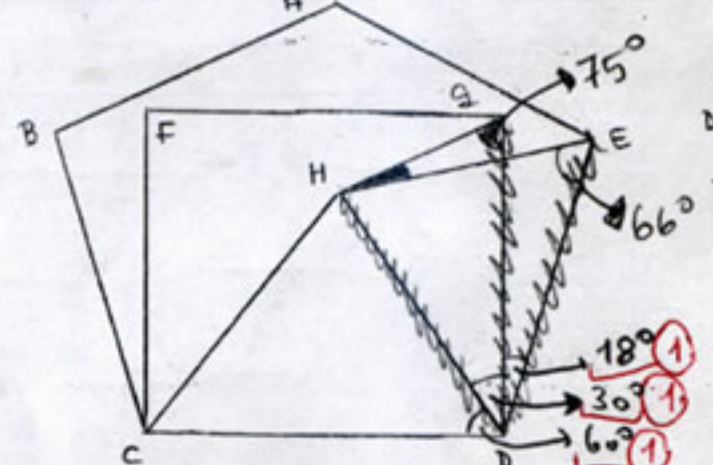
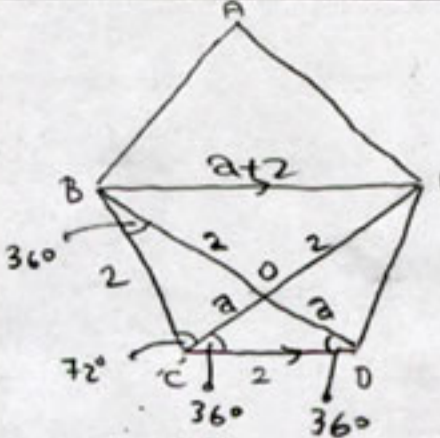
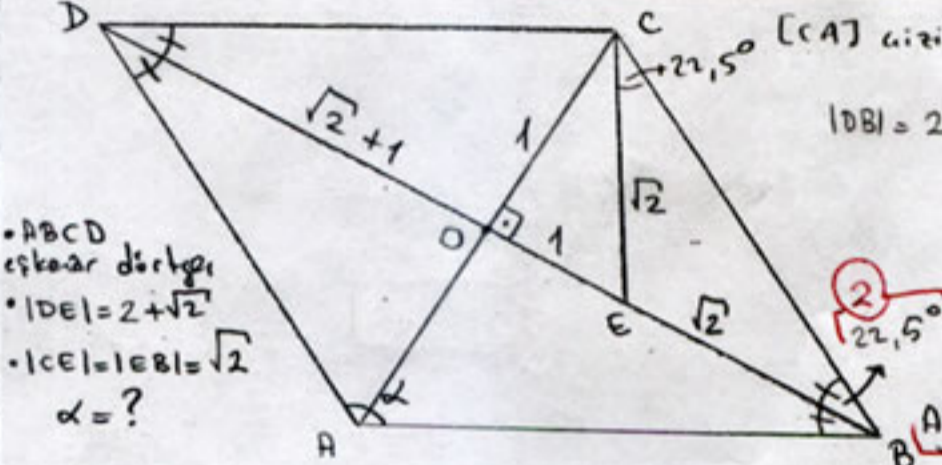
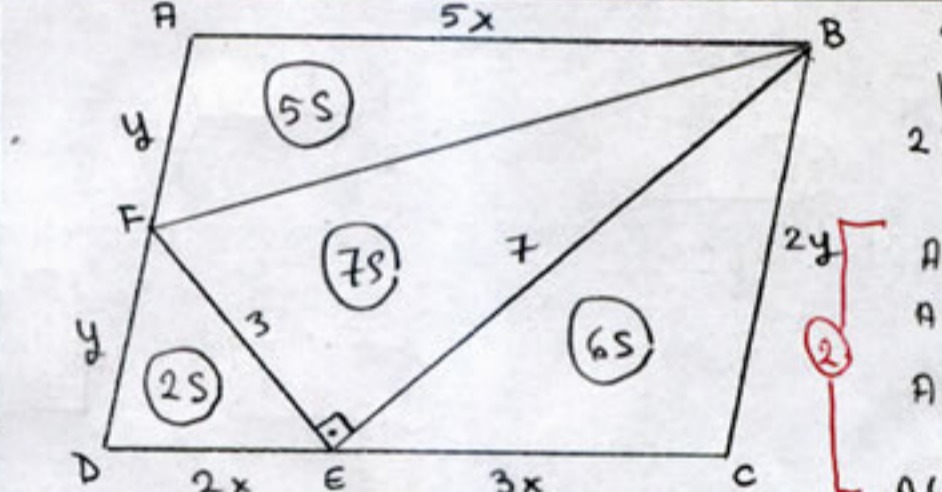
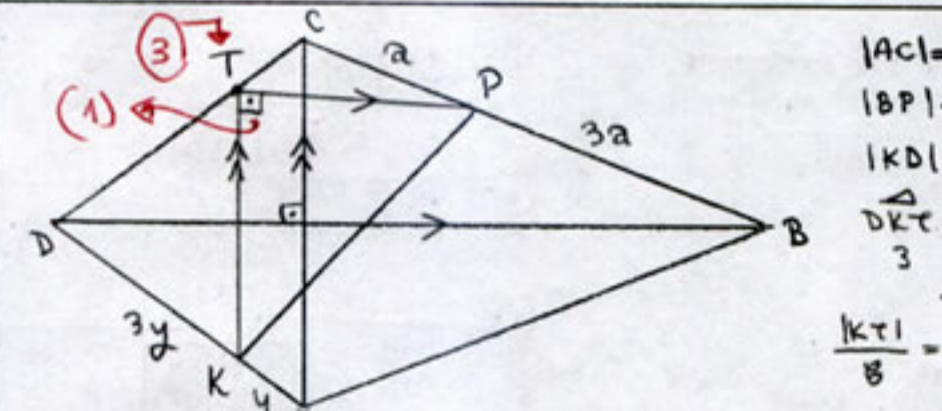
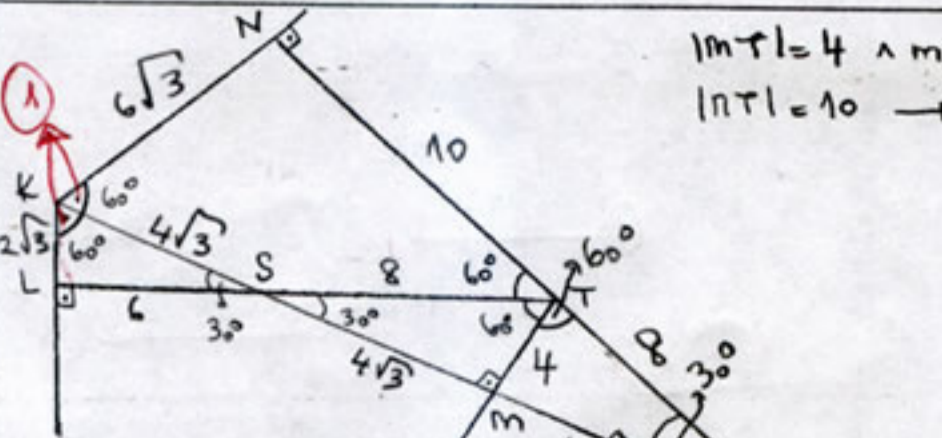


11	Ad Soyad No	ARNAVUTKÖY KORKMAZ YİĞİT ANADOLU LİSESİ 2008-2009 EĞİTİM VE ÖĞRETİM YILI 11. Sınıf I. DÖNEM II. Geometri YAZILISI	
1 10 puan		<p>ABCD paralelkenar $AE = EF = FB$ $3 DN = 3 KCl = nkl$ $A(ABCD) = 90br^2$ $A(EFNK) = ?$</p>	<p>$A(ABCD) = 30S = 90$ (2) $S = 3$ $A(EFNK) = 14S = 42$ (2)</p>
2 10 puan		<p>ABCD eşkenar dörtgen \wedge CBEF kare $\rightarrow \alpha = ?$</p> <p>$2\alpha + 160^\circ = 180^\circ$ $2\alpha = 20^\circ$ $\alpha = 10^\circ$</p>	
3 10 puan		<p>ABCD eşkenar dörtgen $AC = 2 DH$ $[AB \cap [CM)] = \{m\}$ ($DH = m$) $AC = 2h \wedge m = h \wedge \hat{C}AM$ dik $\rightarrow m(\hat{C}AM)$ $m(\hat{C}AM) = 30^\circ$ $m(\hat{A}CB) = 30^\circ$ $\alpha = 120^\circ$</p>	
4 10 puan		<p>$AD = DC = CB$ $m(\hat{E}FG) = \alpha = ?$ $[BD]$ izilir $\rightarrow \hat{C}BD$ eşkenar $[EF]$ izilir. $[EF]$ orta taban $\rightarrow [EF] \parallel [AC]$ (1) $\triangle ADB$ ikizkenar $\rightarrow m(\hat{A}BD) = 40^\circ \wedge m(\hat{A}DB) = 100^\circ$ (1) $\triangle ADC$ ikizkenar $\rightarrow m(\hat{D}AC) = 10^\circ \wedge m(\hat{D}CA) = 10^\circ$ (1) $FmKe$ paralelkenar olur. $m(\hat{C}OB) = 70^\circ = \alpha$ (2)</p>	
5 10 puan		<p>DCH düzgün üçgen $\rightarrow 60^\circ$ DCFG düzgün dörtgen $\rightarrow 90^\circ$ DCBAE düzgün beşgen $\rightarrow 108^\circ$ $m(\hat{G}HE) = ?$ ($DH = DE$) $m(\hat{H}DE) = 48^\circ$ (1) $m(\hat{D}HE) = m(\hat{D}EH) = 66^\circ$ (1) $DH = DG$ (1) $m(\hat{D}HG) = m(\hat{D}GH) = 75^\circ \rightarrow m(\hat{G}HE) = 75^\circ - 66^\circ = 9^\circ$ (2)</p>	

<p>6</p> <p>10 puan</p>	<p>Bir kenarı 2br olan düzgün beşgenin köşegen uzunluğunu bulun.</p> <p>Şekil üzerinden</p> <p>$m(\widehat{BCO}) = m(\widehat{BOC}) = 72^\circ \rightarrow BC = BO$ (1)</p> <p>(1) $CO = a = OD$ olsun. $\rightarrow CE = BE = a + 2$ (1)</p> <p>(1) $[BE] \parallel [CD] \rightarrow \triangle BOE \sim \triangle DOC$ (A.A) (1)</p> <p>$\frac{2}{a+2} = \frac{a}{2} \rightarrow a^2 + 2a - 4 = 0$ (2)</p>	 <p>$\Delta = 4 + 16 = 20$</p> <p>$x_{1,2} = \frac{-2 \pm \sqrt{20}}{2}$ (1)</p> <p>$-1 + \sqrt{5}, -1 - \sqrt{5}$</p> <p>$\sqrt{5} + 1$ (2)</p>
<p>7</p> <p>10 puan</p>	 <p>$[CA]$ çizilir $\rightarrow [CA], [DB]$'ni ortalar $\wedge [CA] \perp [DB]$ (1)</p> <p>$DB = 2 + \sqrt{2} + \sqrt{2} = 2 + 2\sqrt{2} \rightarrow DO = OB = 1 + \sqrt{2}$ (1)</p> <p>$OE = 1$ (1)</p> <p>(1) $CO = 1$ ($\triangle COE$'de pisagor)</p> <p>$m(\widehat{CBO}) = 22,5^\circ \rightarrow m(\widehat{CBA}) = 45^\circ \rightarrow$ Amortly (1)</p> <p>$m(\widehat{DAB}) = 135^\circ$ (2)</p> <p>$\alpha = ?$</p> <p>• ABCD eskenar dörtgen • $DE = 2 + \sqrt{2}$ • $CE = BE = \sqrt{2}$</p>	<p>$\rightarrow A(ABCD) = ?$</p> <p>$x \cdot y = S = 15$ olsun.</p> <p>$A(\triangle FDE) = 2S$ (1)</p> <p>$A(\triangle ECB) = 6S$ (1)</p> <p>$A(\triangle AFB) = 5S$ (1)</p> <p>ve</p> <p>$A(ABCD) = 20S$ (1)</p> <p>$\rightarrow A(\triangle FEB) = 20S - 13S = 7S$ (2)</p> <p>$7S = \frac{3 \cdot 7}{2} \rightarrow A(ABCD) = 20 \cdot \frac{3}{2} = 30$ (1)</p> <p>$S = \frac{3}{2}$ (1)</p>
<p>8</p> <p>10 puan</p>	 <p>ABCD paralelkenar</p> <p>$AF = FD$</p> <p>$2 CE = 3 DE$</p> <p>$BE = 7 \wedge EF = 3$</p> <p>$A(\triangle FDE) = 2S$ (1)</p> <p>$A(\triangle ECB) = 6S$ (1)</p> <p>$A(\triangle AFB) = 5S$ (1)</p> <p>ve</p> <p>$A(ABCD) = 20S$ (1)</p>	<p>$\rightarrow KP = ?$</p> <p>$\triangle CEP \sim \triangle CDP$ (A.A) (2)</p> <p>$\frac{ PE }{12} = \frac{1}{4} \rightarrow PE = 3$ (1)</p> <p>$\triangle KEP$'de pisagor</p> <p>$KP = 3\sqrt{5}$ (1)</p>
<p>9</p> <p>10 puan</p>	 <p>$AC = 8 \wedge BD = 12$</p> <p>$BP = 3 PC$</p> <p>$KD = 3 AK$</p> <p>$\triangle DKT \sim \triangle DAC$ (A.A) (2)</p> <p>$\frac{ KT }{8} = \frac{3}{4} \rightarrow KT = 6$ (1)</p>	<p>$\rightarrow KP = ?$</p> <p>$\triangle CEP \sim \triangle CDP$ (A.A) (2)</p> <p>$\frac{ PE }{12} = \frac{1}{4} \rightarrow PE = 3$ (1)</p> <p>$\triangle KEP$'de pisagor</p> <p>$KP = 3\sqrt{5}$ (1)</p>
<p>10</p> <p>10 puan</p>	 <p>$MT = 4 \wedge m(\widehat{NEL}) = 60^\circ$</p> <p>$NT = 10 \rightarrow LS = ?$</p> <p>• $[NE] \cap [KM] = \emptyset$ (2)</p> <p>(1) $CO = 8 \wedge MO = SM = 4\sqrt{3}$ (1)</p> <p>(1) $KN = 6\sqrt{3} \wedge KO = 12\sqrt{3}$ (1)</p> <p>(1) $KS = 4\sqrt{3} \rightarrow KL = 2\sqrt{3}$ (1)</p> <p>$LS = 6$ (1)</p>	<p>$\rightarrow KP = ?$</p> <p>$\triangle CEP \sim \triangle CDP$ (A.A) (2)</p> <p>$\frac{ PE }{12} = \frac{1}{4} \rightarrow PE = 3$ (1)</p> <p>$\triangle KEP$'de pisagor</p> <p>$KP = 3\sqrt{5}$ (1)</p>