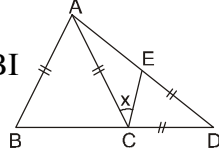


Üçgende Açı

1) Şekilde $m(\hat{B}\hat{A}\hat{D}) = 108^\circ$

$$IDEI = IDCI = IACI = IABI$$

$m(\hat{A}\hat{C}\hat{E}) = x$ kaç derecedir?

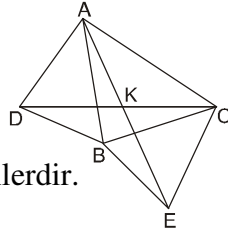


- A) 36 B) 42 C) 46 D) 48 E) 54

2) Şekil düzlemsel olup,

ADB ve BEC eşkenar üçgenlerdir.

$m(\hat{A}\hat{K}\hat{C})$ kaç graddir?



- A) $\frac{100}{3}$ B) $\frac{200}{3}$ C) 90

- D) 120 E) $\frac{400}{3}$

3) Şekildeki ABC üçgeninde

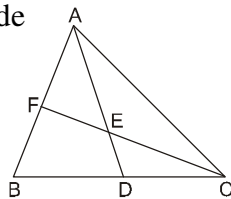
$$\frac{IECI}{3} = \frac{IEFI}{5} = \frac{IAFI}{8} \text{ ve}$$

$IAEI = IEFI + IFBI$ dir.

$m(\hat{A}\hat{E}\hat{C}) = x^\circ$ ise

$m(\hat{A}\hat{B}\hat{C})$ kaç x° dir?

- A) $\frac{1}{3}$ B) $\frac{1}{2}$ C) 1 D) $\frac{3}{2}$ E) 2



4) Şekildeki ABC üçgeninde

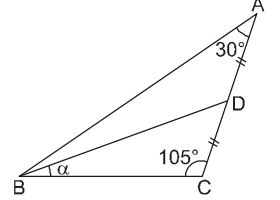
$$IDCI = IADI,$$

$$m\hat{A} = 30^\circ,$$

$$m\hat{C} = 105^\circ \text{ ise}$$

$m\hat{D}\hat{B}\hat{C} = \alpha$ kaç derecedir?

- A) 15 B) 20 C) 30 D) 35 E) 40

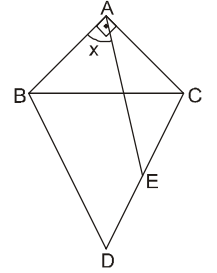


5) Şekildeki ABC ikizkenar dik üçgen BDC eşkenar üçgen

$$IDEI = IECI \text{ ise}$$

$m(\hat{B}\hat{A}\hat{E}) = x$ kaç derecedir?

- A) 85 B) 80 C) 75 D) 70 E) 60



6) Şekilde

$$m(\hat{B}\hat{A}\hat{C}) = 90^\circ$$

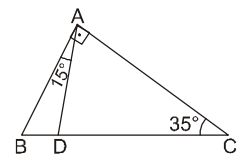
$$m(\hat{B}\hat{A}\hat{D}) = 15^\circ$$

$$m(\hat{A}\hat{C}\hat{B}) = 35^\circ$$

$$IADI = 4 \text{ br ise}$$

IBCI kaç br dir?

- A) 6 B) 7 C) 8 D) $4\sqrt{3}$ E) $8\sqrt{3}$



7) Şekilde IAE] açıortay

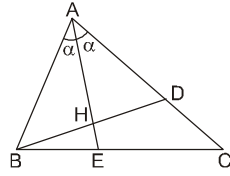
[AE] \perp [BD]

IBEI = IDCI

$m(\hat{D}BC) = 15^\circ$ ise

$m(\hat{BAE}) = \alpha$ kaç derecedir?

A) 30 B) 40 C) 45 D) 50 E) 60

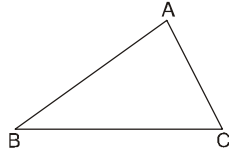


8) $m(\hat{A}) = 3m(\hat{B})$

IBCI = 2IACI

$m(\hat{C})$ kaç derecedir?

A) 30 B) 45 C) 60 D) 75 E) 90



9) Şekilde

IADI = IAEI

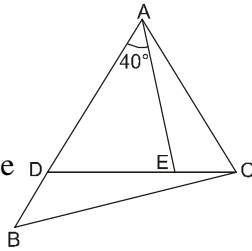
IBDI = IECI dir.

IADI = IDEI + IBDI ve

$m(\hat{DAE}) = 40^\circ$ ise

$m(\hat{ABC})$ kaç derecedir?

A) 60 B) 55 C) 50 D) 45 E) 30



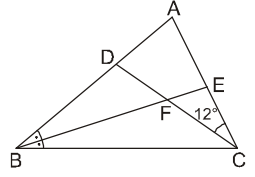
10) [BE] açıortay

IBDI = IBEI = IBCI

$m(\hat{ACD}) = 12^\circ$ ise

$m(\hat{BAC})$ kaç derecedir?

A) 44 B) 45 C) 46 D) 48 E) 54



11) Şekilde DC // AB

IDEI = IECI

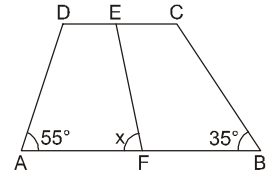
IAFI = IBFI

$m(\hat{DAB}) = 55^\circ$

$m(\hat{ABC}) = 35^\circ$ ise

$m(\hat{EFA}) = x$ kaç derecedir?

A) 45 B) 60 C) 70 D) 75 E) 90



12) Şekilde ABC üçgeninde

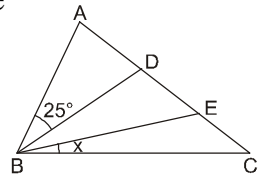
IAEI = IBEI

ICDI = ICBI

$m(\hat{ABD}) = 25^\circ$

$m(\hat{EBC}) = x$ kaç derecedir?

A) 25 B) 30 C) 40 D) 50 E) 60



13) Şekilde

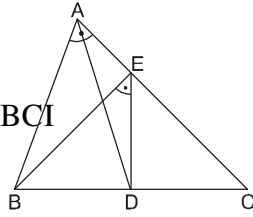
$$IABI = IBEI = IECI,$$

$$IAEI = IEDI, IACI = IBCI$$

$$m(\hat{BAE}) = m(\hat{BED}) \text{ dir.}$$

$m(\hat{BAD})$ kaç derecedir?

- A) 60 B) 54 C) 48 D) 42 E) 36



14) $m(\hat{ADB}) = m(\hat{ADE})$,

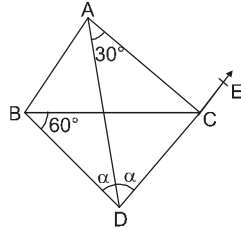
$$m(\hat{DBC}) = 60^\circ$$

$$m(\hat{DAC}) = 30^\circ \text{ dir.}$$

D, C, E doğrusal olup

$m(\hat{CBA})$ kaç derecedir?

- A) 30 B) 40 C) 50 D) 60 E) 70



16) Şekilde

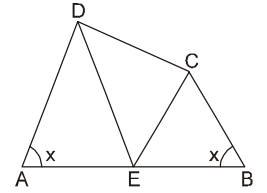
$$m(\hat{DAE}) = m(\hat{CBE}) = x$$

$$IADI = IEBI$$

$$IAEI = ICBI \text{ ise}$$

$m(\hat{DCE})$ nin x cinsinden değeri nedir?

- A) x B) 2x C) $180 - x$
D) $90 + \frac{x}{2}$ E) $90 - \frac{x}{2}$

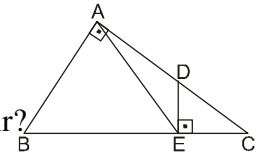


17) Şekilde $IABI = IADI$

$$m(\hat{BAC}) = m(\hat{DEC}) = 90^\circ$$

$m(\hat{AED}) = x$ kaç derecedir?

- A) 30 B) 45 C) 60 D) 75 E) 80



15) Şekilde $IBLI = IBEI$

$$ICEI = ICFI$$

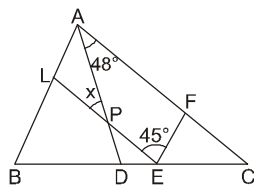
$$IBDI = IDCI$$

$$m(\hat{DAC}) = 48^\circ$$

$$m(\hat{LEF}) = 45^\circ$$

$m(\hat{APL}) = x$ kaç derecedir?

- A) 25 B) 26 C) 27 D) 29 E) 32



18) Şekilde $[AF] \perp [EC]$

$$[BK] \perp [CD] \text{ dir.}$$

$$IBEI = ICDI \text{ ve } IECI = IADI$$

$$\alpha + \beta = 70^\circ \text{ ise}$$

$m(\hat{FCK}) = a$ kaç derecedir?

- A) 30 B) 25 C) 20 D) 15 E) 10

