

Triângulos

Exercícios 1, 2, e 3

01.

$$A + B = X$$

$$X = 60 + 50$$

$$X = 110^\circ$$

Resposta C

02.

$$3x + 4x + 5x = 180^\circ$$

$$12x = 180^\circ$$

$$x = 180^\circ / 12$$

$$x = 15^\circ$$

Resposta E

03.

$$A = 40^\circ$$

$$B + C = 180^\circ - 40^\circ = 140^\circ$$

$$140^\circ / 2 = 70^\circ$$

$$I + 70^\circ = 180^\circ$$

$$I = 180^\circ - 70^\circ$$

$$I = 110^\circ$$

Resposta D

Exercícios 4,5, e 6

04. $ABD = 2 + 3 > x > 3 - 2$

$BCD = 2 + 5 > x > 5 - 2$

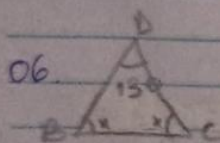
$5 > x > 1$
 $7 > x > 3$

$\rightarrow x = 4$

05.

$X + Y > 30$
 $X + Z > 18$
 $Y + Z > 16$

$2x + 2y + 2z > (30 + 18 + 16)$
 $= 64 > 2x + 2y + 2z$
 $= 32 > R$
 $= 33 //$ Resposta E



$130^\circ + 2 = 180^\circ$

$A + B + C = 180^\circ$

$2A = 180^\circ - 130^\circ$

$C = 180^\circ - 65^\circ$

$2A = 50^\circ$

$C = 115^\circ$

$A = 25^\circ$

$A = 25^\circ$

$D + Y = 180^\circ$

$B = 40^\circ$

$Y = 180^\circ - 130^\circ$

$C = 115^\circ$

$Y = 50^\circ$

$B + Y + 90^\circ = 180^\circ$

$B = 180^\circ - 140^\circ$

$B = 40^\circ$

Exercícios 7, 8 e 9

04. $ABD = 2 + 3 > x > 3 - 2$

$BCD = 2 + 5 > x > 5 - 2$

$5 > x > 1$
 $7 > x > 3$

$\rightarrow x = 4$

05.

$x + y > 30$

$x + z > 18$

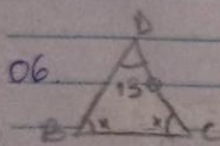
$y + z > 16$

$2x + 2y + 2z > (30 + 18 + 16)$

$= 64 > 2x + 2y + 2z$

$= 32 > R$

$= 33 //$ Resposta E



$130^\circ + 2 = 180^\circ$

$2A = 180^\circ - 130^\circ$

$2A = 50^\circ$

$A = 25^\circ$

$A + B + C = 180^\circ$

$C = 180^\circ - 65^\circ$

$C = 115^\circ$

$A = 25^\circ$

$B = 40^\circ$

$C = 115^\circ$

$D + Y = 180^\circ$

$Y = 180^\circ - 130^\circ$

$Y = 50^\circ$

$B + Y + 90^\circ = 180^\circ$

$B = 180^\circ - 140^\circ$

$B = 40^\circ$