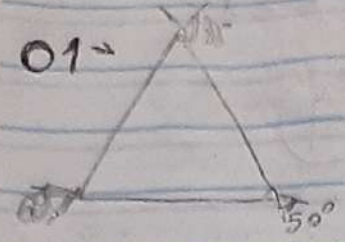
Tarefa Basica - triângulos

01-

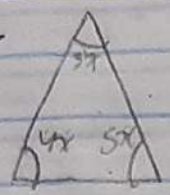


Ea $\hat{x} = 60° + 50°$

$E x\hat{z} = 110°$

$x = 110°$ (C)

02-

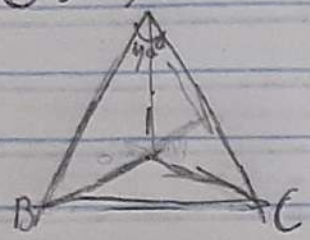


$3x + 4x + 5x = 180°$

$12x = 180°$

$x = 15°$ (E)

03-



$A = 40°$

$B = 70°$ → 180°

$C = 70°$

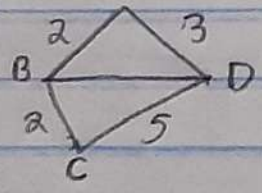
$x + 35 + 35 = 180°$

$x = 180 - 35 - 35$

$BiC = 110°$ $x = 110°$

(D)

04-



$BD = ?$

$2^2 + 3^2 = BD^2$

$4 + 9 = BD^2$

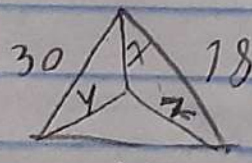
$\sqrt{13} = BD$

$3{,}60 \cong BD$

$BD = 4$

(E)

05-



Condição de Existencia: $c < b + c$, logo

$30 < x + y$

$16 < y + z$ +

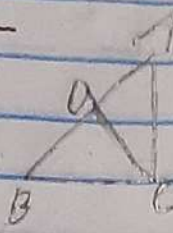
$18 < x + z$

$64 < 2x + 2y + 2z \div 2$

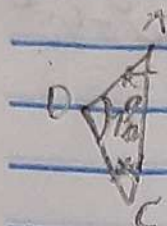
$32 < x + y + z$

Logo, precisa ser maior que 32, sobrando a letra (E)

06- $AD \cong CD$, $CD \perp BC$ e $A\hat{D}C = 130°$



90°



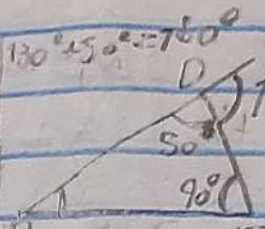
$130° + x + x = 180°$

$2x = 180 - 130$

$2x = 50°$

$x = 25°$

$\boxed{A = C = 25°}$



$B + 50° + 90° = 180°$

$B = 180 - 90 - 50$

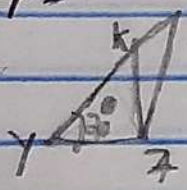
$B = 40°$

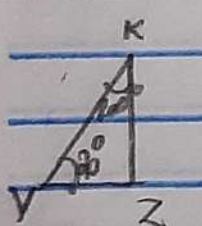
$C = 90° + 25°$

$C = 115°$

$\hat{A} = 25° \mid \hat{B} = 40° \mid \hat{C} = 115°$

07- $x\hat{K}Z = 105° \cdot e \cdot x\hat{Z} \cong x\hat{K} \mid \hat{Y} = 20°$

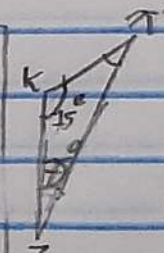




$\hat{Z} + 105° + 20° = 180°$

$\hat{Z} = 180 - 105 - 20$

$\hat{Z} = 55°$



$\hat{x} + y + z = 180°$

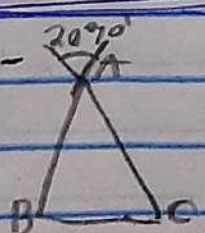
$x + 20° + 130° = 180°$

$x = 180 - 150$

$x = 30°$

$Z = 55° + 75° = 130° \mid x = 30°$

08- $\angle x \hat{A} = \hat{B} + \hat{C} \mid B = C$



$\angle x \hat{A} = 2\hat{B}$

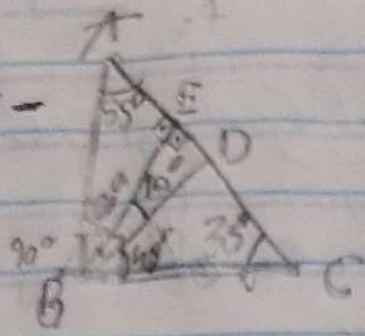
$20°10' = 2\hat{B}$

$10°05' = \hat{B}$

(B)

$\hat{B} = 10°05' = \hat{C}$

09-



$B = 90° - 70°$

$B = 80° \div 2$

$B = 40°$

$E\hat{D}B = 180 - 90° - 70°$

$E\hat{B}B = 80°$

$B\hat{D}C = 100°$

$B\hat{C}D = 180° - 100° - 45°$

$B\hat{C}D = 35°$

$\hat{C} = 35°$

$\hat{B} = 90°$

$\hat{A} + 35° + 90° = 180°$

$\hat{A} = 180 - 90 - 35$

$\hat{A} = 55°$

$\boxed{\hat{C} = 35°}$ $\boxed{\hat{A} = 55°}$