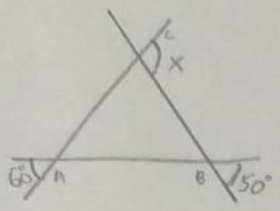
Sabrina Medeiros de Lima - CT II 317

Tarefa 1 - Triângulos

1-



$x = ?$

$\hat{A} + \hat{B} = Ex\,\hat{C}$

$60 + 50 = x$

$110 = x$ R. C

2-

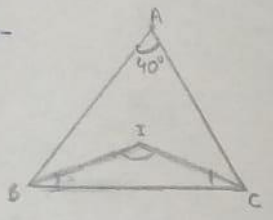
$3x + 4x + 5x = 180°$

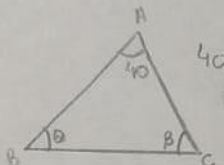
$12x = 180$

$x = 180/12 \rightarrow 15°$

R. E

3-





$40 + \theta + \beta = 180$

$\theta + \beta = 140$

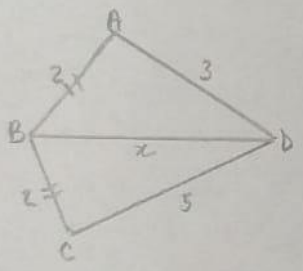
$\frac{140}{2} \rightarrow 70°$

$\Delta BIC: I + 70 = 180$

$180 - 70 = 110°$

R. D

4-



ΔABD

$2 - 3 < x < 2 + 3$

$1 < x < 5$

$\Delta BCD:$

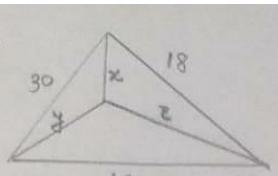
$2 - 5 < x < 2 + 5$

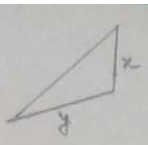
$3 < x < 7$

$3 < x < 5$

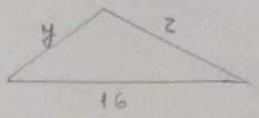
$x = 4.$

5-

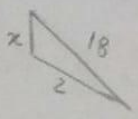




$x+y>30$



$y+z>16$



$x+z>18$

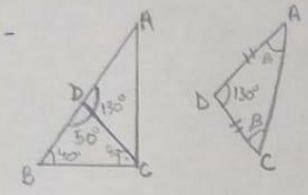
$2x+2y+2z>64$

$x+y+z>\frac{64}{2} \rightarrow 32$

$x+y+z>32$

R. A única alternativa maior que 32 é a E, 33.

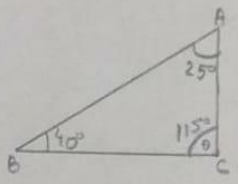
6-



$2\beta+130=180$

$\beta=\frac{180-130}{2}=\frac{50}{2}$

$\beta=25$



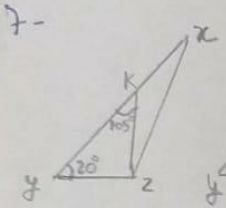
$25+40+\theta=180°$

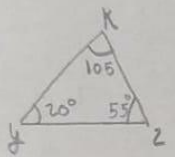
$65+\theta=180$

$\theta=180-65$

$\theta=115°$

7-



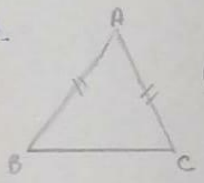


$75+\theta+\beta=180$

$\theta+\beta=180-75$

$\theta+\beta=105$

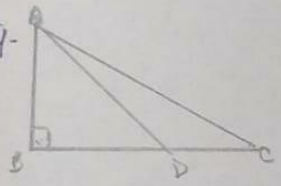
8-



$\theta=\frac{\theta}{2}=\frac{20°10'}{2}=10°05'$

R. B

9-



$B\hat{A}C=180-10-90=80$

$B\hat{A}D=180-80=100$

$ac=180-100-45 \rightarrow 35°$

$ac=180-90-35°=155°$