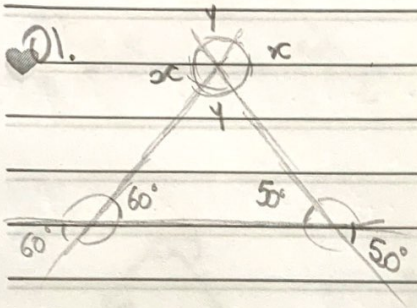
TAREFA: TRIANGULOS

01.



$60 + 50 + y = 180°$

$110 + y = 180°$

$y = 180 - 110$

$y = 70°$

$70 - 70 + 2x = 360°$

$140° + 2x = 360°$

$2x = 360° - 140°$

$2x = 220$

$x = \frac{220}{2}$

$x = 110$

R: C

02. $3x + 4x + 5x = 180°$

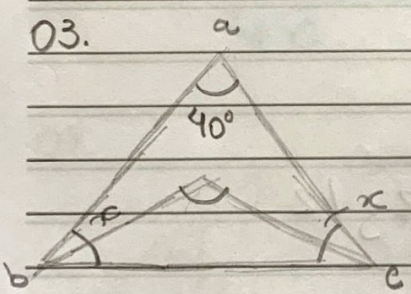
$12x = 180°$

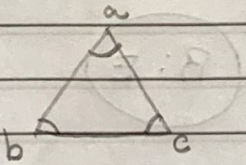
$x = \frac{180}{12}$

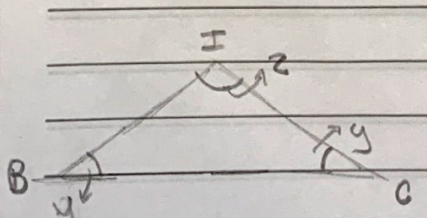
$x = 15°$

R: E

03.







B=C, por conta das bissetrizes.

$40° + x + x = 180°$

$40 + 2x = 180°$

$2x = 180 - 40$

$2x = 140$

$x = \frac{140}{2}$

$x = 70°$

BI, CI: são metade do B e o C

$y = \frac{70}{2} = 35°$

$z + y + y = 180°$

$z + 2y = 180°$

$z + 2 \cdot 35 = 180°$

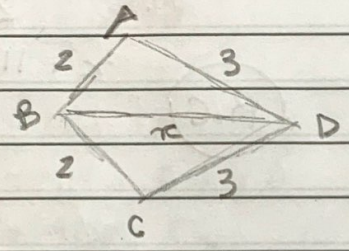
$z + 70 = 180°$

$z = 180 - 70$

$z = 110$

R: D

04.



$BAD = (2-3) < x < 2+3$

$1 < x < 5$

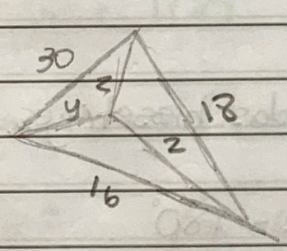
$BCD = (2-3) < x < 2+5$

$3 < x < 7$

$\begin{cases} 3 < x < 5 \\ x = 4 \end{cases}$

R: E

05.



$30 < y + x$

$18 < x + 3$

$16 < y + 3$

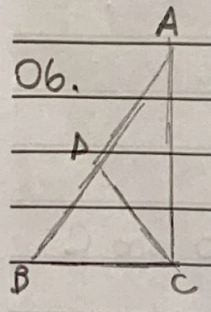
$64 < 2y + 2x + 23 \,/\, 2$

$32 < y + x + 3$

$+ > 32 = 33$

R: E

06.

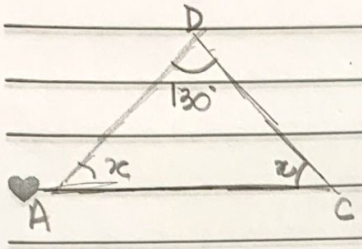


AD, CD = congruentes

CD, BC = perpendiculares

logo

$A\hat{D}C = 130°$



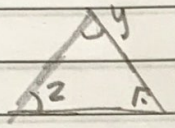
$130° + x + x = 180°$

$130 + 2x = 180$

$2x = 180 - 130$

$2x = 50°$

$x = 50/2 = 25°$ → A



$z + y + 90 = 180°$

$z + 50 + 90 = 180°$

$z = 140 = 180°$

$z = 180 - 140$

$z = 40°$ → B

$x = A = 25°$

$z = B = 40°$

$A + B + C = 180°$

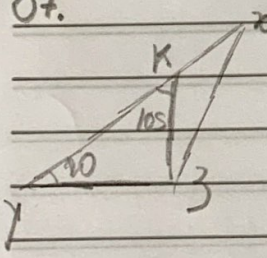
$25 + 40 + C = 180°$

$65 + C = 180°$

$C = 180 - 65$

$C = 113°$ → C

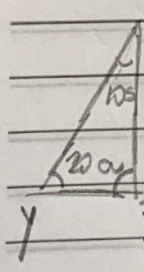
07.



$\hat{Y} = 20$

$\hat{Y}\hat{K}3 = 105$

$x3, xk$ = congruentes



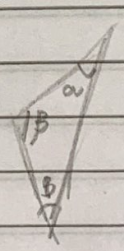
$20 + 105 + a = 180°$

$125 + a = 180$

$a = 180° - 125°$

$a = 55°$

=



$\beta + \beta + \alpha = 180$

$150 + \alpha = 180$

$\alpha = 180 - 150$

$\alpha = 30°$ → x

=

$105° + \beta = 180$

$\beta = 180 - 105$

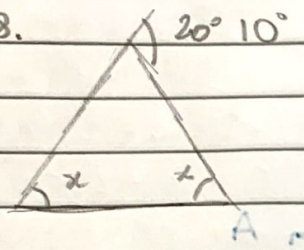
$\beta = 75$

$3 = a + \alpha$

$3 = 55 + 75$

$3 = 130°$ → z

08.



$20° 10' = x + x$

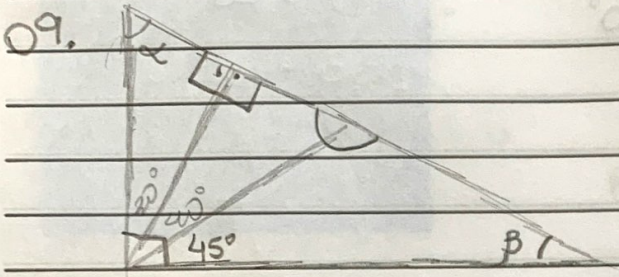
$20° 10' = 2x$

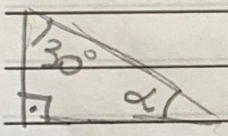
$2x = 20° 10'$

$x = \frac{20° 10'}{2}$

$x = 10° 5'$

09.



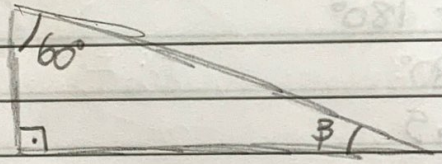


$90° + 30° + \alpha = 180°$

$120 + \alpha = 180°$

$\alpha = 180 - 120°$

$\alpha = 60°$



$\beta + 60 + 90 = 180°$

$\beta + 150 = 180°$

$\beta = 180 - 150$

$\beta = 30°$