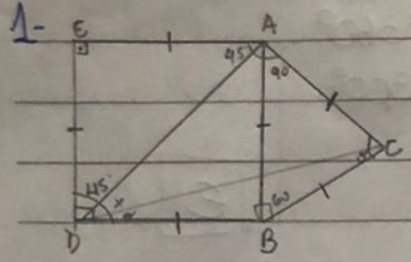
S T Q Q S S D

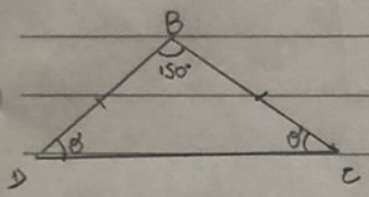
__/__/__

Tarefa Básica

1-



ângulo $C\hat{D}A = x$



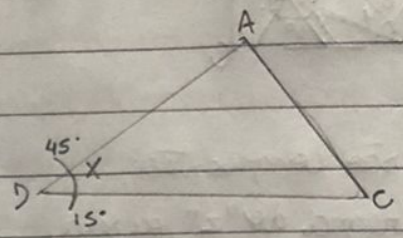
$150° + \theta + \theta = 180°$

$150° + 2\theta = 180°$

$2\theta = 180° - 150°$

$2\theta = 30°$

$\theta = \frac{30°}{2} = \boxed{15°}$



$45° + 15° + x = 90°$

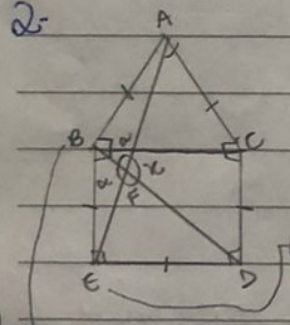
$x + 60° = 90°$

$x = 90° - 60°$

$\boxed{x = 30°}$

D

2-



$90 = 15 + 1$

$90 - 15 = 1$

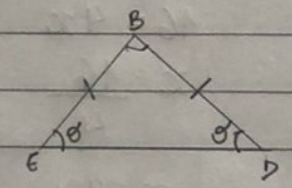
$1 = 75$

$\alpha + a = 180°$

$120 + a = 180°$

$a = 180 - 120°$

$a = 60°$



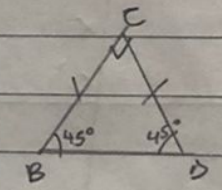
$150 - 2\theta = 180°$

$2\theta = 180° - 150°$

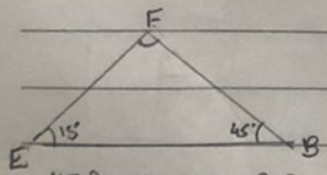
$2\theta = 30°$

$\theta = \frac{30°}{2}$

$\theta = 15°$



C

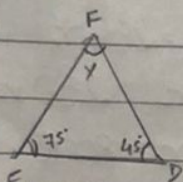


$45° + 15° + \alpha = 180°$

$60° + \alpha = 180°$

$\alpha = 180° - 60°$

$\boxed{\alpha = 120°}$



$Y + 45 + 75° = 180°$

$Y = 120° = 180°$

$Y = 180° - 120°$

$\boxed{Y = 60°}$

$Y + \alpha + a + x = 360°$

$60° + 120° + 60° + x = 360°$

$240° + x = 360°$

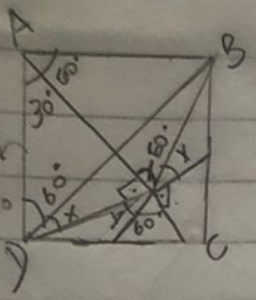
$x = 360° - 240°$

$\boxed{x = 120°}$

spiral

S T Q Q S S D

3-



x e y são congruentes pela regra do "z", ou seja, $y = 30°$ e $x = 30°$

$90° + 90° + 60° + 60° + 2y = 360°$

$300° + 2y = 360°$

$2y = 360° - 300°$

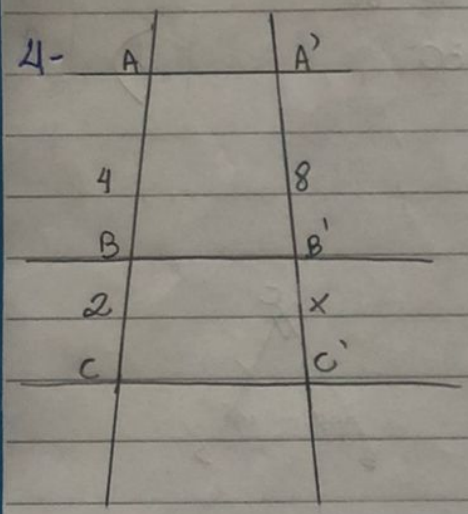
$2y = 60°$

$y = \frac{60°}{2}$

$\boxed{y = 30°}$

$\boxed{E}$

4-



$\frac{4}{2} = \frac{8}{x}$

$8 \cdot 2 = 4 \cdot x$

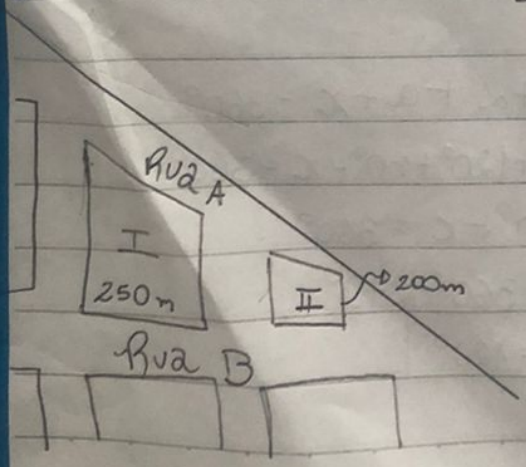
$16 = 4x$

$x = \frac{16}{4}$

$\boxed{x = 4\ cm}$

5- A alternativa falsa é a letra "E", pois cada losangulo possui dois lados paralelos, por isso também é um paralelogramo

6-



$\frac{250}{40+x} = \frac{200}{x}$

$200(40+x) = 250x$

$8000 + 200x = 250x$

$250x - 200x = 8000$

$50x = 8000$

$x = \frac{8000}{50} = \boxed{160\ m}$

$\boxed{A}$