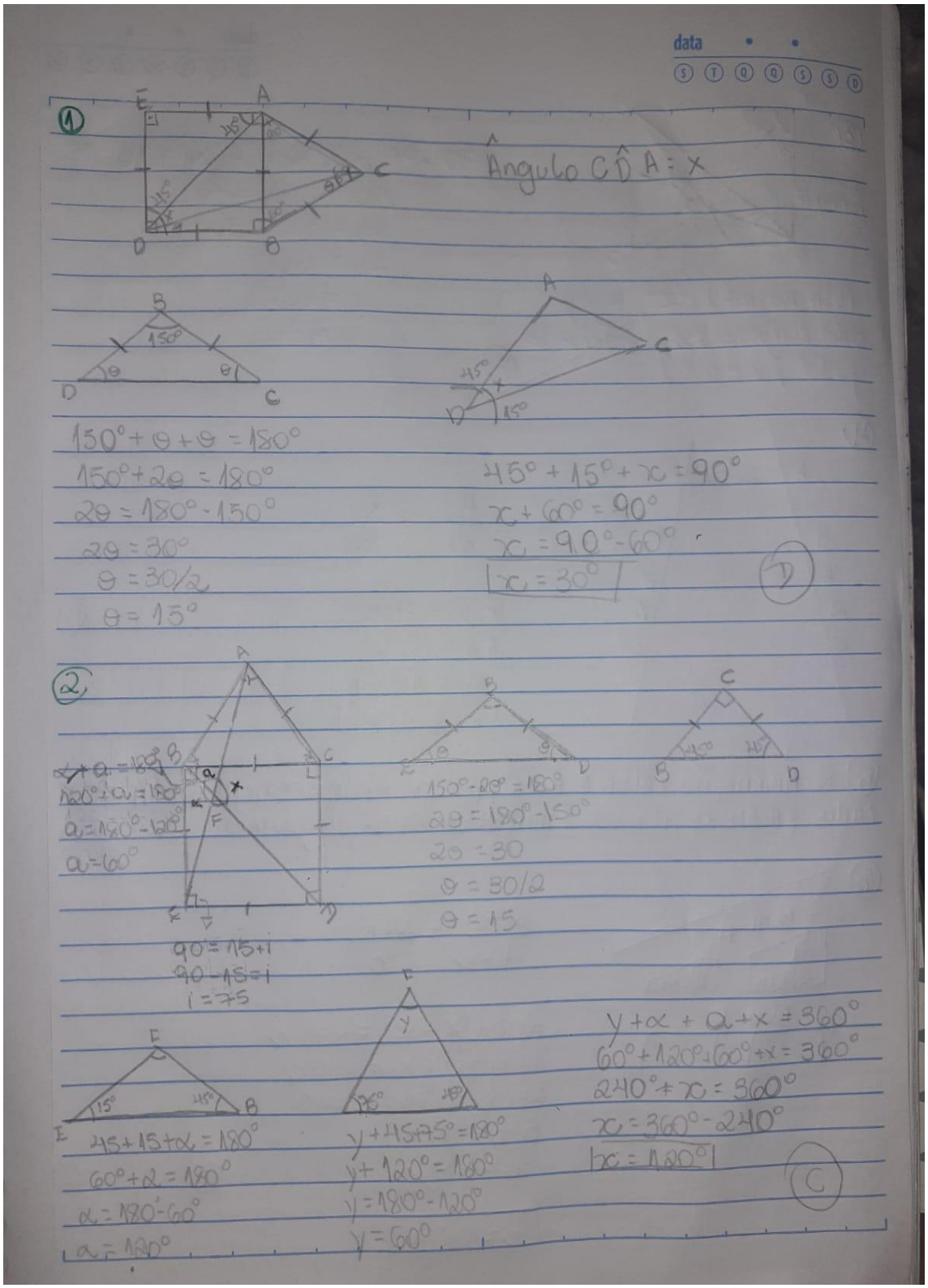
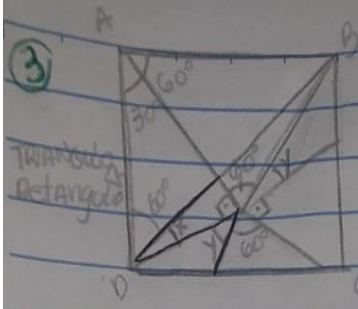
Evelyn Santos de Santana

CTII348

Quadriláteros - Teorema de Tales - Teorema da Bissetriz Interna



③



$90° + 90° + 60° + 60° + 2y = 360°$

$300° + 2y = 360°$

$2y = 360° - 300$

$2y = 60°$

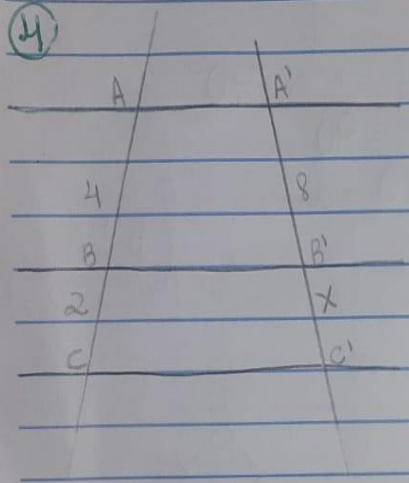
$y = 60/2$

$y = 30$

Pela regra do "Z", x e y são congruentes, então se $y = 30°$, $x = 30°$

(E)

④



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

$8 \cdot 2 = 4x$

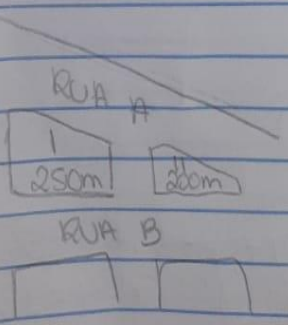
$16 = 4x$

$x = 16/4$

$x = 4 \text{ m}$

⑤ R: AFIRMAÇÃO FALSA É A "E", PORQUE TODO LOSANGO POSSUI DOIS LADOS PARALELOS, POR ISSO É TAMBÉM UM PARALELOGRAMO.

⑥



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

$200(40+x) = 250x$

$8000 + 200x = 250x$

$250x - 200x = 8000$

$50x = 8000$

$x = 8000/5$

$x = 160 \text{ m}$

(A)