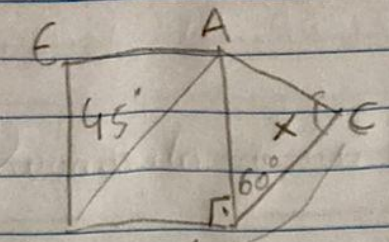
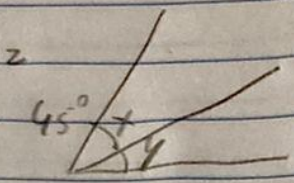
(1) $C\hat{D}A$



Bissetriz



$x + y = 15°$

$\hat{90°}$

$D\hat{B}C = 150°$

$2x + 150° = 180°$

$2x = 150° - 180°$

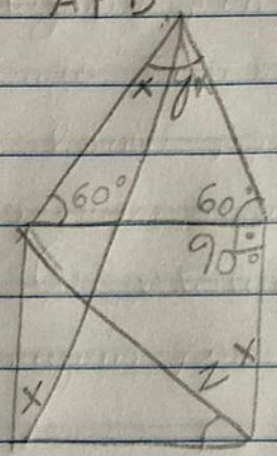
$x = \frac{30°}{2} = 15°$ → $15° + y = 45°$

$y = 45° - 15°$

$y = 30°$

D //

(2) $A\hat{F}D$



x, y, z

$60° + 90° = 150°$

$x = 2x + 150° = 180°$

$x = \frac{30}{2} = 15°$

$y = 15 - 15 - 60 = 30°$

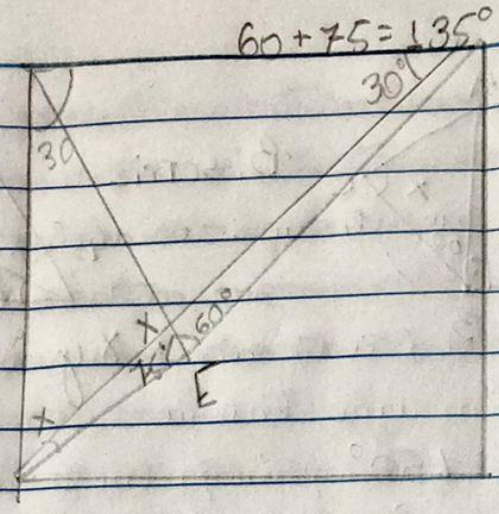
$z = 90 - 45 - 15° = 30°$

mede: $30° - 30° = 180°$

$60° - 180° = 120°$

C //

③



$2x + 30° = 180°$

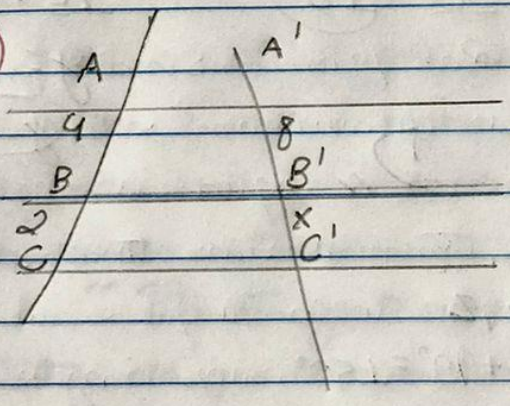
$x = \frac{150°}{2} = 75°$

$y = 180° - 135° - 15°$

$y = 30°$

E

④

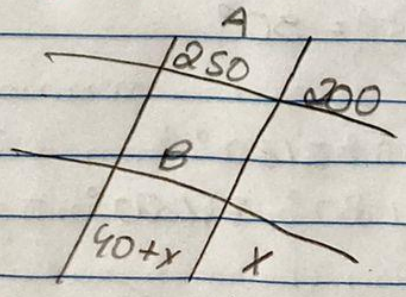


$\frac{4}{2} \times \frac{8}{x}$ $4x = 16$

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

⑤ Existe um diagrama: inclusão dos quadriláteros, de acordo com ele o losango pode ser um paralelogram (par de lados paralelos), então o falso é: Um losango pode não ser paralelograma

⑥



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

$250x = 8000 + 200x$

$250x - 200x = 8000$

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