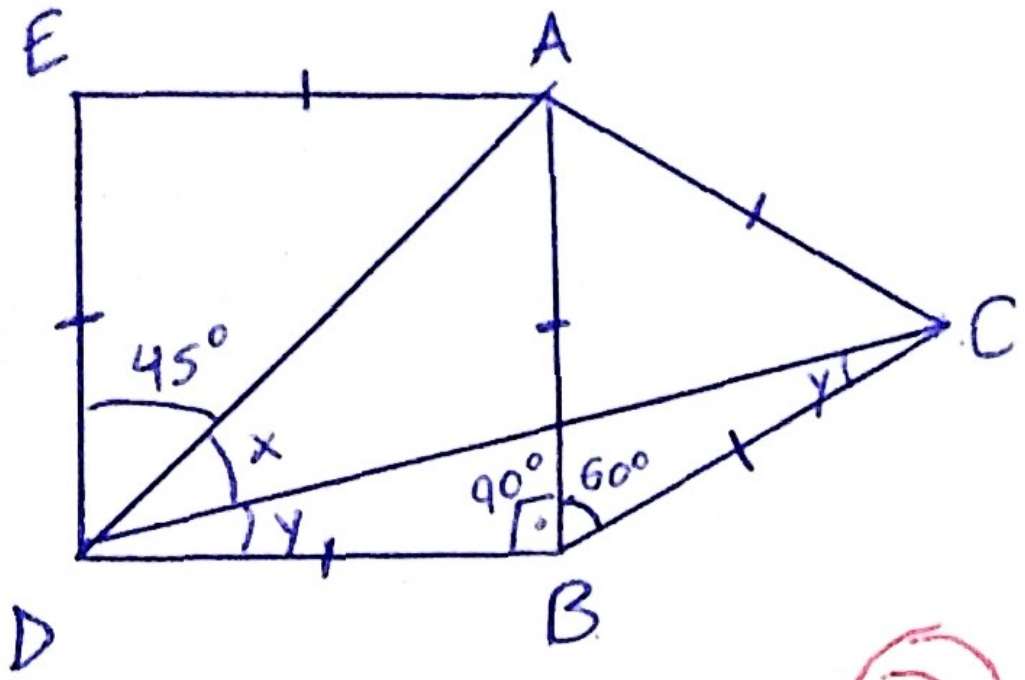
1



$90^\circ + 60^\circ + 2y = 180^\circ$

$2y = 30^\circ$

$y = 15^\circ$

(D)

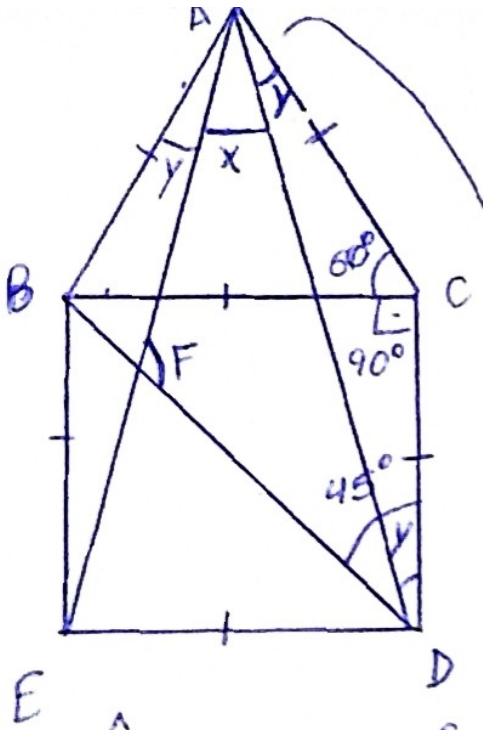
$x = ?$

$x + y + 45^\circ = 90^\circ$

$x + 15^\circ + 45^\circ = 90^\circ$

$x = 30^\circ$ //

2



$2y + 150° = 180°$

$y = 15°$

$2y + x = 60°$

$2 \cdot 15° + x = 60°$

$x = 30°$

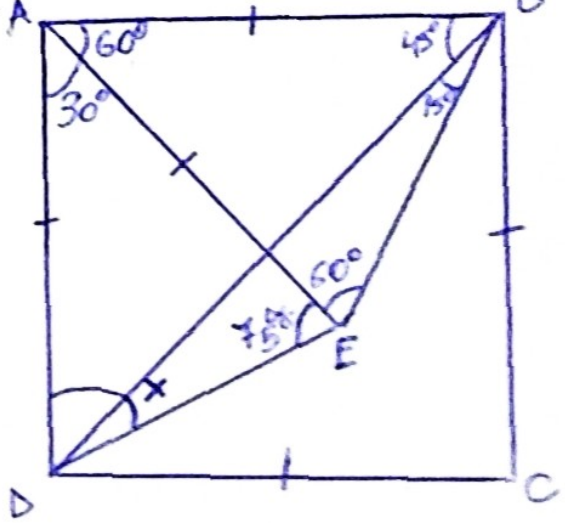
$\hat{F} + x + y + 45° + 150° = 360°$

$\hat{F} + 30° + 15° + 45° + 150° = 360°$

$\hat{F} = 120°$ //

(C)

3



$2\alpha + 30° = 180°$

$\alpha = 75°$

$15° + 60° + \alpha + x = 180°$

$75° + 75° + x = 180°$

$x = 30°$ //

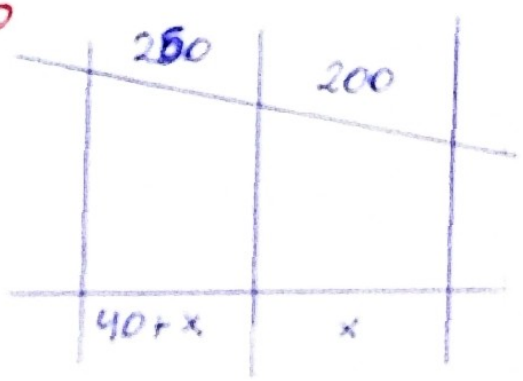
(E)

4 $\frac{\overline{AB}}{\overline{BC}} = \frac{\overline{A'B'}}{\overline{B'C'}}$

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

5 a) V
b) V
c) V
d) V
e) F //

6



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

$250x = 8.000 + 200x$

$50x = 800$

$x = 160\,m$ //

A