

Geometry Review Worksheet

(1) Refer to the figure to the right, given $\overline{DE} \parallel \overline{BC}$.

(a) $AD = 7$, $BD = 3$, $DE = 6$ **Find:** BC _____

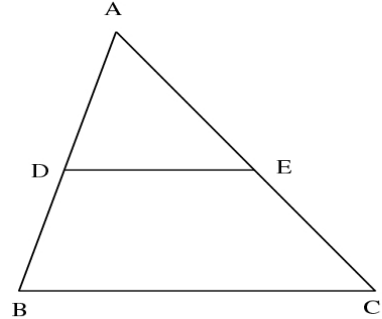
(b) $AD = 3$, $BD = 5$, $AE = 4$ **Find:** CE _____

(c) $AD = 4$, $AB = 10$, $BC = 25$ **Find:** DE _____

(d) $AD = (x - 1)$, $BD = 5$, $AE = 1$, $CE = (x + 3)$,
 $DE = (2x + 1)$ **Find:** x _____, BC _____

(e) $AD = 2x$, $BD = (x + 3)$, $AE = (4x - 1)$,

$CE = 5x$, $BC = (6x + 2)$ **Find:** x _____, DE _____



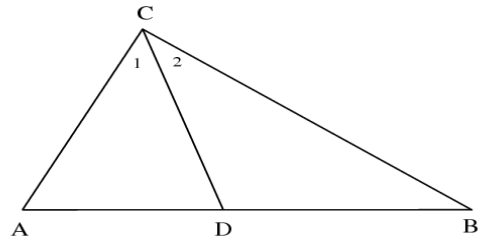
(2) Refer to the figure to the right, $\angle 1 \cong \angle 2$.

(a) $AC = 6$, $BC = 8$, $BD = 5$ **Find:** AD _____

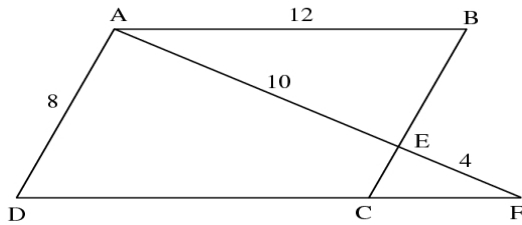
(b) $AB = 10$, $AC = 4$, $BC = 8$ **Find:** AD _____

(c) $AC = 3$, $AD = (x - 4)$, $BC = x$, $BD = 4$

Find: BC _____

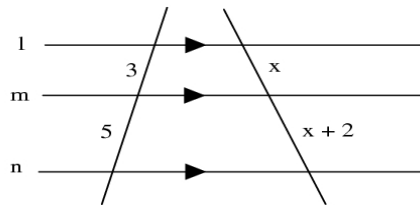


(3) **Given:** ABCD is a parallelogram, sides as marked.



Find: BE _____, CE _____, CF _____

(4) **Given:** The figure below, $l \parallel m \parallel n$



Find: x _____