Name : _____
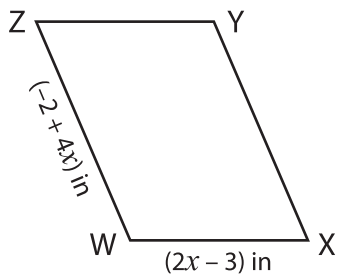
Perimeter of a Parallelogram

Find the indicated side lengths of each parallelogram from the given perimeter.

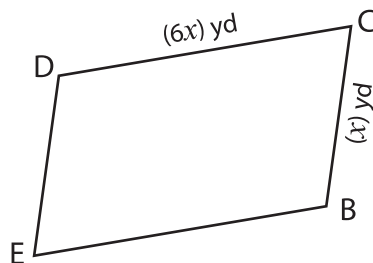**1)**

Z — Y
$(-2 + 4x)$ in
W — X
$(2x - 3)$ in

Perimeter = 110 in

$x =$ _____

$YZ =$ _____

$XY =$ _____

2)

$(6x)$ yd
D — C
(x) yd
E — B

3)

S — R
$(43 + 5x)$ ft
P — Q
$(-7x - 30)$ ft

Perimeter = 58 ft

$x =$ _____

$PQ =$ _____

$SP =$ _____

4)

$(8x + 1)$ yd
C
$(10 - 6x)$ yd
D
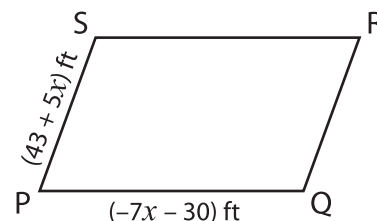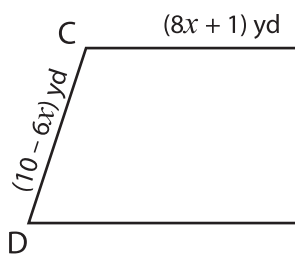
Perimeter = 26 yd

$x =$ _____

$CD =$ _____

$DA =$ _____

$(13 + 9x)$ in   K
$(-6 + 10x)$ in
M   J
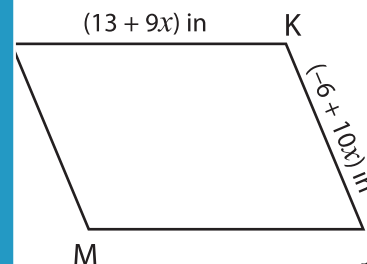
Perimeter = 90 in

$x =$ _____

$LM =$ _____

$MJ =$ _____

$TU =$ _____

$ST =$ _____

PREVIEW

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7) The adjacent side lengths of a paralleogram are $(x - 9)$ yards and $(x + 3)$ yards. Determine the value of x and the lengths of the adjacent sides, if its perimeter is 64 yards.

_____