Name : _____
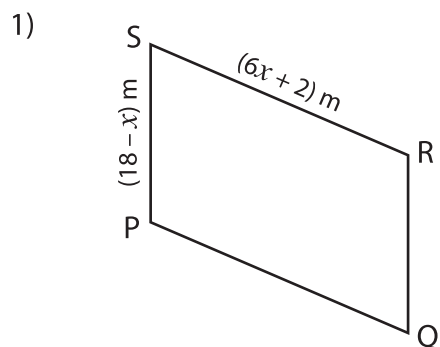
Perimeter of a Parallelogram

Find the indicated side lengths of each parallelogram from the given perimeter.
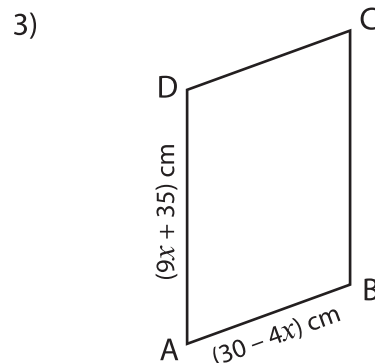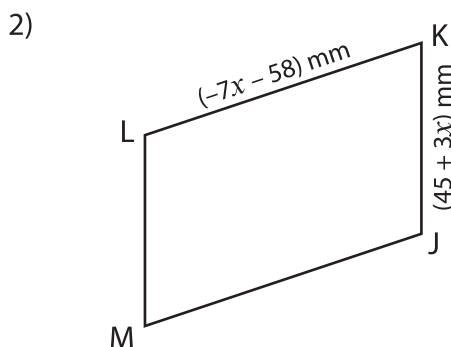
1)

S — $(6x + 2)$ m — R
$(18 - x)$ m
P
Q

Perimeter = 80 m

$x =$ _____

PQ = _____

SP = _____

2)

K
$(-7x - 58)$ mm
L
$(45 + 3x)$ mm
J
M

3)

C
D
$(9x + 35)$ cm
B
A — $(30 - 4x)$ cm

Perimeter = 180 cm

$x =$ _____

AB = _____

DA = _____

4)

U
V
T
$(3x)$ mm
W
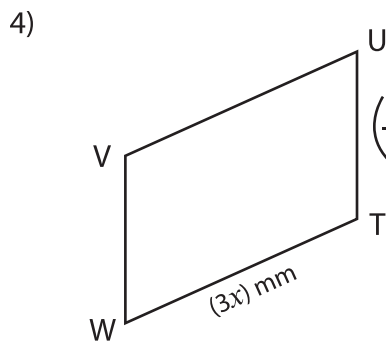
Perimeter = 34 mm

$x =$ _____

WT = _____

TU = _____
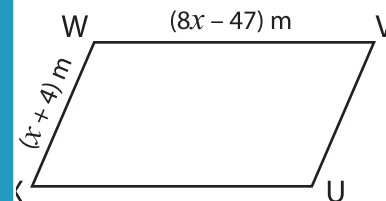
DE = _____

GD = _____

W — $(8x - 47)$ m — V
$(x + 4)$ m
X
U

Perimeter = 76 m

$x =$ _____

XU = _____

UV = _____

7) The adjacent sides of a parallelogram measure $(3x - 5)$ mm and $(2x + 39)$ mm. If its perimeter is 148 mm, find the value of x and the lengths of the adjacent sides.

_____