Polygons | Finding the Unknown Sides
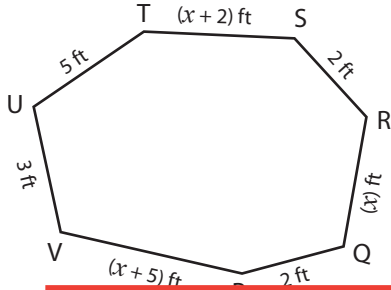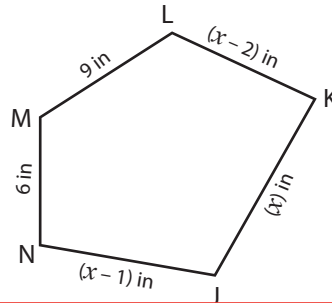
Find the value of x, and the length of the unknown sides.
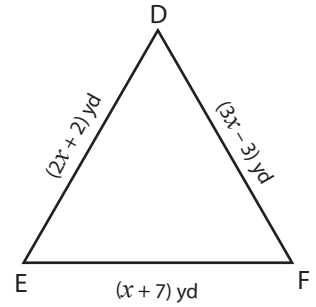
1)

T $(x + 2)$ ft S
5 ft
U
2 ft
R
3 ft
(x) ft
V $(x + 5)$ ft 2 ft Q

QR =

2)

L $(x - 2)$ in
9 in
M K
6 in
(x) in
N
$(x - 1)$ in

3)

D
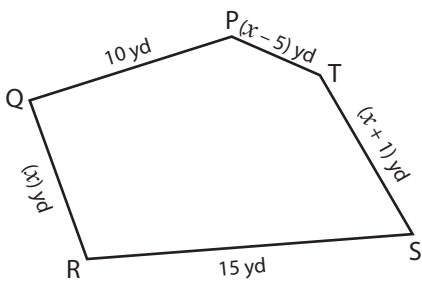$(2x + 2)$ yd
$(3x - 3)$ yd
E $(x + 7)$ yd F

4)

X
D
6 ft
C

P
UV =

Preview

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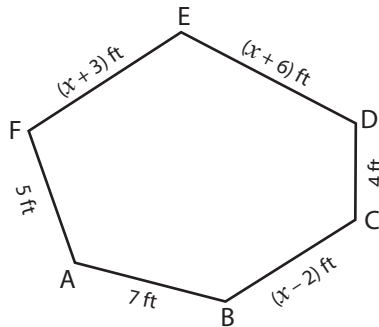
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7)

P $(x - 5)$ yd
10 yd
T
Q
$(x + 1)$ yd
(x) yd
R 15 yd S

Perimeter = 39 yd; $x =$ _____ ;

QR = _____ ; ST = _____ ; TP = _____

8)

E $(x + 6)$ ft
$(x + 3)$ ft
F D
5 ft 4 ft
C
A 7 ft B $(x - 2)$ ft

Perimeter = 53 ft; $x =$ _____ ;

BC = _____ ; DE = _____ ; EF = _____

9)

W 9 in
$(x - 6)$ in
X V
7 in (x) in
Y $(x + 9)$ in U

Perimeter = 40 in; $x =$ _____ ;

UV = _____ ; WX = _____ ; UY = _____