

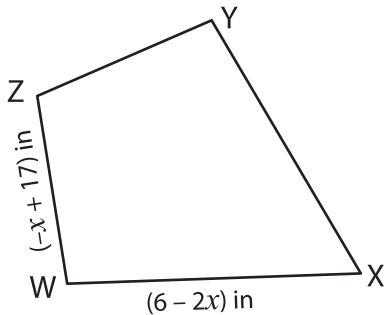
Name : \_\_\_\_\_

## Perimeter of a Kite

Sheet 2

Solve for  $x$  and find the indicated side lengths of each kite.

1)



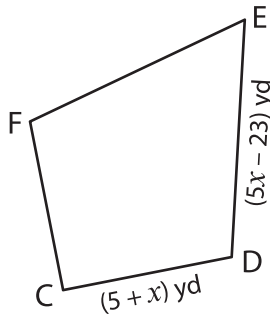
Perimeter = 154 in

$x =$  \_\_\_\_\_

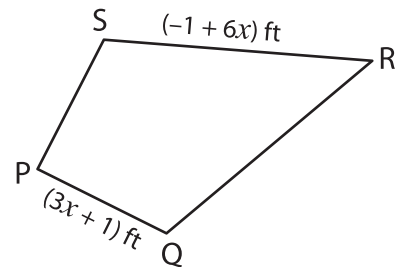
WX = \_\_\_\_\_

WZ = \_\_\_\_\_

2)



3)



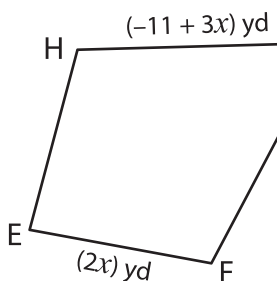
Perimeter = 90 ft

$x =$  \_\_\_\_\_

RS = \_\_\_\_\_

PQ = \_\_\_\_\_

4)



Perimeter = 138 yd

$x =$  \_\_\_\_\_

EF = \_\_\_\_\_

GH = \_\_\_\_\_

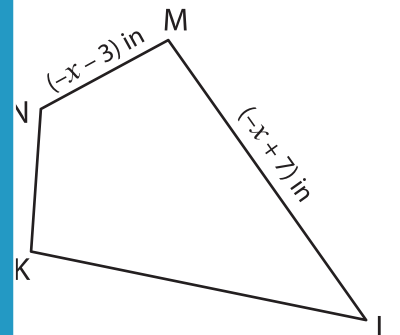
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Perimeter = 52 in

$x =$  \_\_\_\_\_

LM = \_\_\_\_\_

MN = \_\_\_\_\_

7) The perimeter of a kite is 206 feet. The sides of the kite measure  $(9x - 16)$  feet and  $(8x)$  feet. Find the value of  $x$  and then calculate the side lengths.

\_\_\_\_\_