

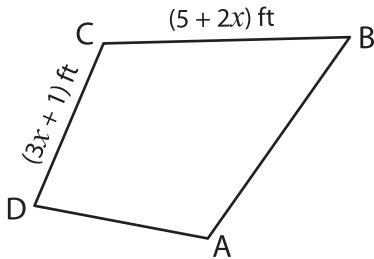
Name : \_\_\_\_\_

## Perimeter of a Kite

Sheet 1

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

1)



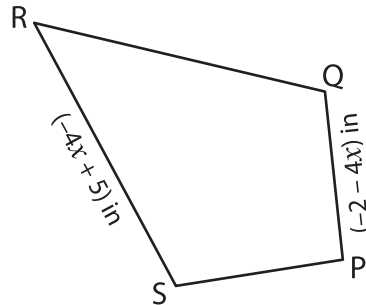
Perimeter = 32 ft

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

BC = \_\_\_\_\_

CD = \_\_\_\_\_

2)



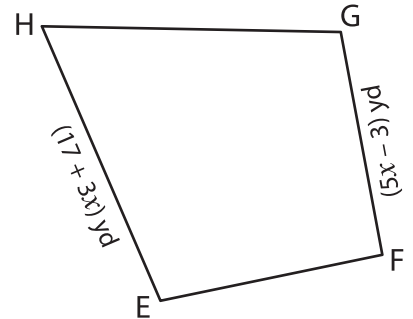
Perimeter = 140 yd

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

FG = \_\_\_\_\_

EH = \_\_\_\_\_

3)



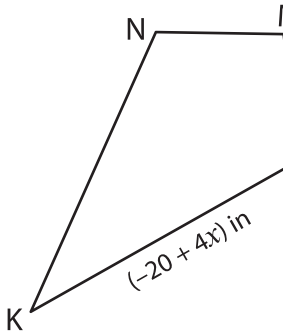
Perimeter = 140 yd

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

FG = \_\_\_\_\_

EH = \_\_\_\_\_

4)



Perimeter = 196 in

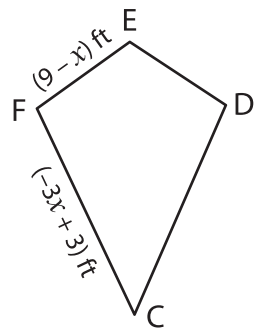
$x =$  \_\_\_\_\_

KL = \_\_\_\_\_

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

TU = \_\_\_\_\_

UV = \_\_\_\_\_



Perimeter = 144 ft

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

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

CF = \_\_\_\_\_

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- 7) The side lengths of a kite are  $(2x + 3)$  yards and  $(6x - 1)$  yards. If the perimeter is 100 yards, determine the value of  $x$  and the side lengths of the kite.

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