

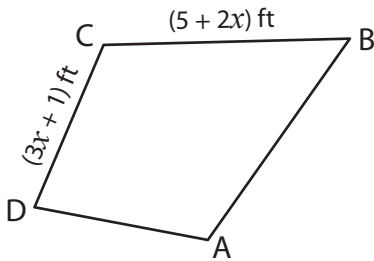
Name : _____

Perimeter of a Kite

Sheet 1

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

1)



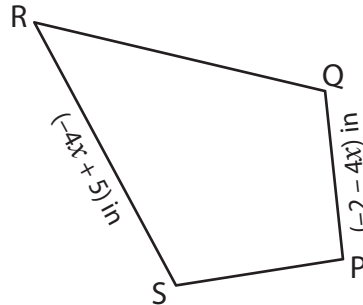
Perimeter = 32 ft

$x =$ _____

BC = _____

CD = _____

2)



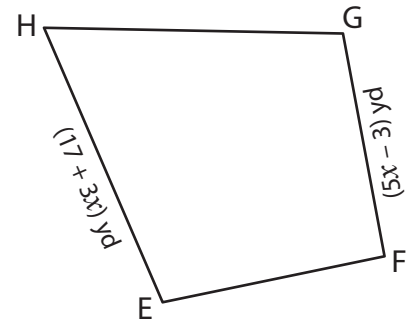
Perimeter = 140 yd

$x =$ _____

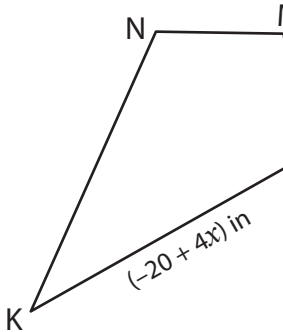
FG = _____

EH = _____

3)



4)



Perimeter = 196 in

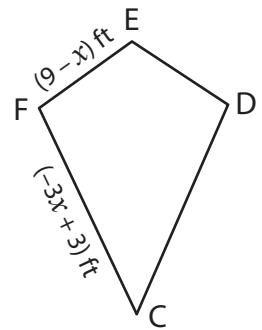
$x =$ _____

KL = _____

LM = _____

TU = _____

UV = _____



Perimeter = 144 ft

$x =$ _____

EF = _____

CF = _____

PREVIEW

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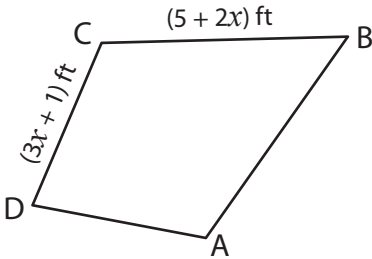
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7) The side lengths of a kite are $(2x + 3)$ yards and $(6x - 1)$ yards. If the perimeter is 100 yards, determine the value of x and the side lengths of the kite.

Perimeter of a Kite

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

1)



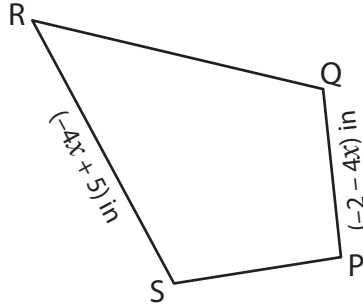
Perimeter = 32 ft

$x = \underline{\quad 2 \quad}$

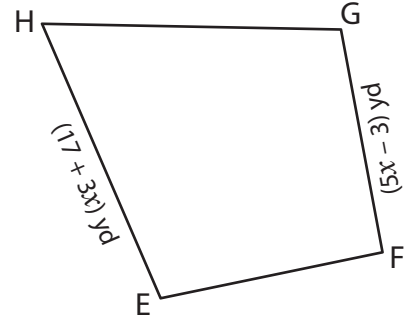
BC = 9 ft

CD = 7 ft

2)



3)



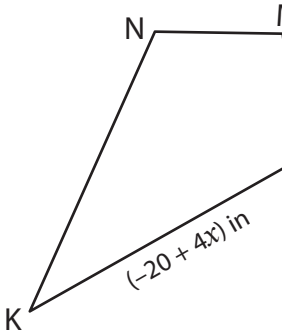
Perimeter = 140 yd

$x = \underline{\quad 7 \quad}$

FG = 32 yd

EH = 38 yd

4)



Perimeter = 196 in

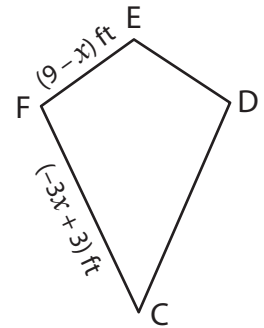
$x = \underline{\quad 22 \quad}$

KL = 68 in

LM = 30 in

TU = 12 yd

UV = 15 yd



Perimeter = 144 ft

$x = \underline{\quad -15 \quad}$

EF = 24 ft

CF = 48 ft

PREVIEW

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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.

$x = 6, 15$ yards and 35 yards