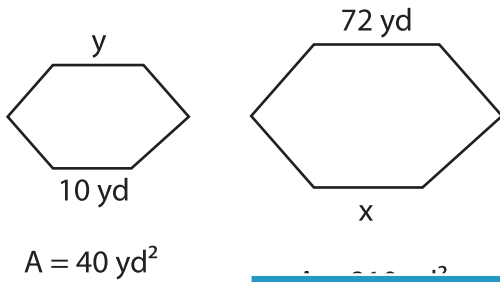# Scale Factor - Finding Sides

Each pair of figures is similar. Find x and y. (A denotes Area and P denotes Perimeter)

1)
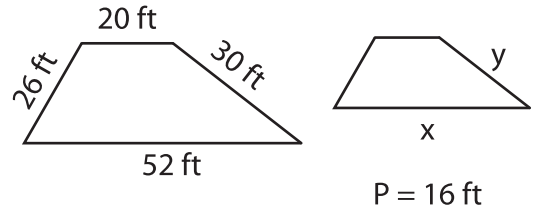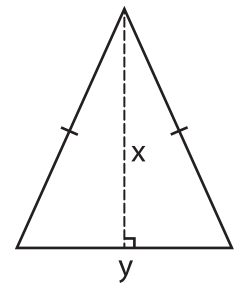
72 yd

y

10 yd

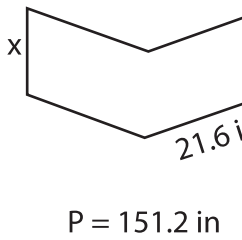A = 40 yd²

x

x = _____ ;

2)

20 ft

26 ft   30 ft

52 ft

y

x

P = 16 ft

; y = _____

3)

x

21.6 i

P = 151.2 in

x

y

A = 324 yd²

x = _____ ;

; y = _____

5) The perimeters of tw   the adjacent sides of
   the smaller parallelo   ent sides of the larger
   parallelogram.

_____

6) P and Q are similar kites. The diagonals of Q are 4 inches and 16 inches long. Determine the length
   of diagonals of P, if its area is 8 square inches.