Name : _____

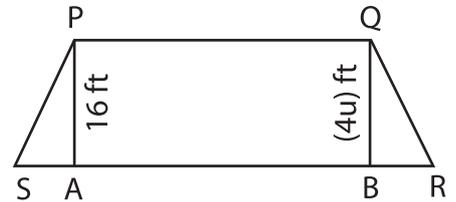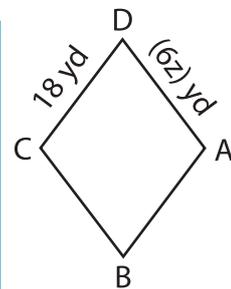## One-Step Equations: Shapes

Solve each problem.

1) PQRS is a trapezoid where the heights PA and QB are equal. If PA = 16 ft, find the value of u.

   P   Q

   16 ft   (4u) ft

   S   A   B   R

   u = _____

2) ABCD is a rhombus. If CD = 18 yd, find the value of z.

   D

   18 yd   (6z) yd

   C   A

   B

   z = _____

3) KLMN is a rectang[le] ... x and y.

   K   (x + 8) in   L

                        12 in

   N   17 in   M
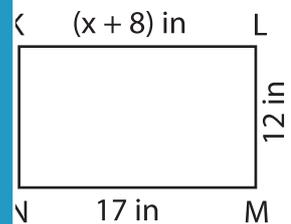
   x = _____

4) XYZ is an isoscele[s triangle] ... 0 yd, find the value of n.

   X

   $\left(\frac{5}{6}n\right)$ yd   10 yd

   Z   Y
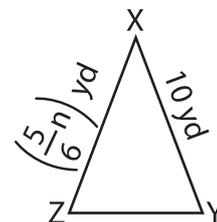
   n = _____

5) STUV is a kite where OT = OV. The length of OV is 14 ft. Find the value of g and determine the length of SU.

   S

   V   O   9 ft

      14 ft   (g – 8) ft   T

   (g – 1) ft

   U

   g = _____   SU = _____