Rhombus | Missing Diagonal
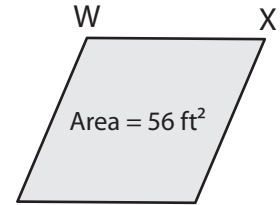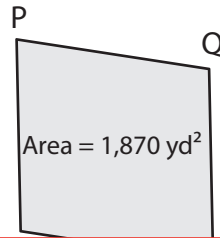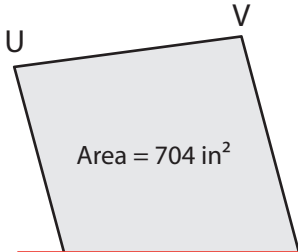
Find the length of the missing diagonal in each rhombus.

1) If UW = 44 in, find VX.

2) If QS = 55 yd, find PR.

3) If XZ = 14 ft, find WY.

Area = 704 in²

Area = 1,870 yd²

Area = 56 ft²

VX

4) If D

D<

TR.

EG

7) WXYZ is a rhombus whose diagonal XZ = 8 feet. Determine the other diagonal WY if the area of the rhombus is 40 square feet.

8) The length of one of the diagonals of a rhombus is 32 inches. Find the length of the other diagonal if the area is 272 square inches.