

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

## Area of a Rhombus

T2S1

A) Find the area of each rhombus for the given measurements.

1) diagonal 1 =  $\frac{15}{2}$  yd, diagonal 2 =  $\frac{18}{25}$  yd

Area = \_\_\_\_\_

2) diagonal 1 =  $4\frac{4}{5}$  in, diagonal 2 =  $4\frac{2}{3}$  in

Area = \_\_\_\_\_

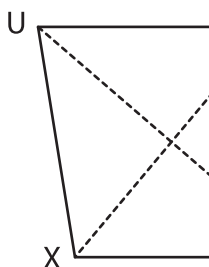
3) diagonal 1 = 49 ft, diagonal 2 =  $3\frac{1}{7}$  ft

Area = \_\_\_\_\_

4) diagonal 1 =  $\frac{7}{8}$  yd, diagonal 2 =  $5\frac{5}{7}$  yd

B) Find the area of each rhombus.

5)



$UW = 2\frac{1}{4}$  in ;  $VX =$  \_\_\_\_\_

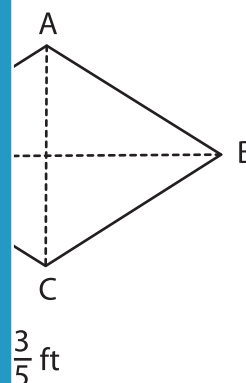
Area = \_\_\_\_\_

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7) The lengths of the diagonals are \_\_\_\_\_

the area.

8) Determine the area of the rhombus whose diagonals measure  $\frac{9}{8}$  inches and  $11\frac{1}{9}$  inches.