

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 = _____

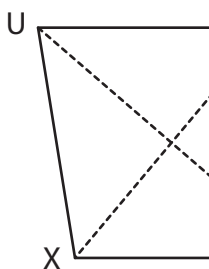
3) diagonal 1 = 49 ft, diagonal 2 = $3\frac{1}{7}$ ft

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 = _____

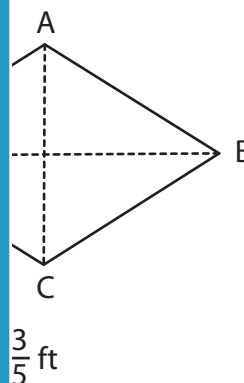
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7) The lengths of the diagonals are _____

the area.

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

Area of a Rhombus

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 = $\frac{27}{10}$ or $2\frac{7}{10}$ yd²

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

Area = $\frac{56}{5}$ or $11\frac{1}{5}$ in²

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

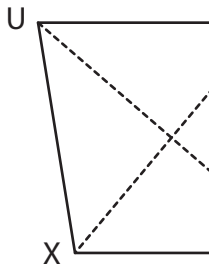
Area = $77\frac{1}{2}$

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

Area = $5\frac{1}{2}$ yd²

B) Find the area of each rhombus.

5)



UW = $2\frac{1}{4}$ in ; VX = $3\frac{3}{4}$ in

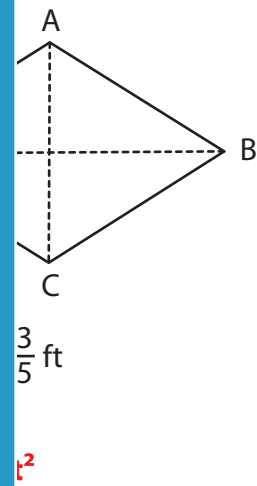
Area = $3\frac{3}{4}$

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$\frac{3}{5}$ ft

Area = $3\frac{3}{4}$

7) The lengths of the diagonals are 10 yd and 6 yd.

30 square yards

the area.

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

$\frac{25}{4}$ or $6\frac{1}{4}$ square inches