**Area of a Rhombus**

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

1) diagonal 1 = 9 ft, diagonal 2 = \(\frac{10}{3}\) ft  
   \[ \text{Area} = \] 

2) diagonal 1 = \(\frac{18}{5}\) yd, diagonal 2 = \(\frac{7}{9}\) yd  
   \[ \text{Area} = \] 

3) diagonal 1 = \(\frac{5}{8}\) in, diagonal 2 = \(1\frac{9}{25}\) in  
   \[ \text{Area} = \] 

4) diagonal 1 = \(1\frac{3}{4}\) ft, diagonal 2 = \(\frac{20}{3}\) ft  
   \[ \text{Area} = \] 

B) Find the area of each rhombus.

5) \[ \text{Area} = \]

6) \[ \text{Area} = \]

7) The lengths of the diagonals are \(10\frac{4}{5}\) yd and \(3\frac{3}{7}\) in. Determine the area.
   \[ \text{Area} = \]

8) What is the area of the rhombus, if the diagonals measure \(3\frac{1}{6}\) yards and 6 yards?
   \[ \text{Area} = \]
A) Find the area of each rhombus for the given measurements.

1) diagonal 1 = 9 ft, diagonal 2 = \( \frac{10}{3} \) ft

\[ \text{Area} = 15 \text{ ft}^2 \]

2) diagonal 1 = \( \frac{18}{5} \) yd, diagonal 2 = \( \frac{7}{9} \) yd

\[ \text{Area} = \frac{7}{5} \text{ or } 1 \frac{2}{5} \text{ yd}^2 \]

3) diagonal 1 = \( \frac{5}{8} \) in, diagonal 2 = 1 \( \frac{9}{25} \) in

\[ \text{Area} = \frac{17}{40} \text{ in}^2 \]

4) diagonal 1 = 1 \( \frac{3}{4} \) ft, diagonal 2 = \( \frac{20}{3} \) ft

\[ \text{Area} = \frac{25}{6} \text{ or } \frac{5}{6} \text{ ft}^2 \]

B) Find the area of each rhombus.

5)

\[ QS = 10 \frac{4}{5} \text{ yd} ; \quad PR = 1 \frac{3}{4} \text{ ft} \]

\[ \text{Area} = \frac{27}{2} \text{ or } 13.5 \text{ yd}^2 \]

7) The lengths of the diagonals of a rhombus are \( \frac{1}{9} \) ft. Determine the area.

\[ \frac{1}{9} \text{ square foot} \]

8) What is the area of the rhombus, if the diagonals measure 3 \( \frac{1}{6} \) yards and 6 yards?

\[ \frac{19}{2} \text{ or } 9 \frac{1}{2} \text{ square yards} \]