Find the area of each shape. Round your answer to two decimal places.

1) \[ \text{Area} = \phantom{000000000} \text{yd}^2 \]
   \[ \text{WV} = 34 \text{ yd} ; \text{XZ} = 87 \text{ ft} \]

2) \[ \text{Area} = \phantom{000000000} \text{in}^2 \]
   \[ \text{RQ} = 12 \text{ ft} ; \text{SP} = 39 \text{ ft} \]
   \[ \text{QP} = 408 \text{ in} \]

3) \[ \text{Area} = \phantom{000000000} \text{in}^2 \]
   \[ \text{CB} = 1 \text{ yd} ; \text{DA} = 45 \text{ in} \]
   \[ \text{BE} = 20 \text{ in} \]

4) \[ \text{Area} = \phantom{000000000} \text{ft}^2 \]
   \[ \text{NL} = 48 \text{ yd} ; \text{MK} = 93 \text{ ft} \]

7) The length and width of a rectangle are 4 inches and 1 yard respectively. Determine the area of the rectangle.

\[ \text{Area} = \phantom{00000000} \text{square inches} \]

8) What is the area of rhombus, if the diagonals measure 5 yards and 24 feet?

\[ \text{Area} = \phantom{00000000} \text{square yards} \]
Answer key

Area of a Quadrilateral

Find the area of each shape. Round your answer to two decimal places.

1) \(\text{WV} = 34 \text{ yd} ; \text{XZ} = 87 \text{ ft}\)
   \[
   \text{Area} = \frac{986}{2} \text{ yd}^2
   \]

2) \(\text{CB} = 1 \text{ yd} ; \text{DA} = 45 \text{ in}\)
   \[
   \text{BE} = 20 \text{ in}
   \]
   \[
   \text{Area} = \frac{810}{2} \text{ in}^2
   \]

3) \(\text{RQ} = 12 \text{ ft} ; \text{SP} = 39 \text{ ft}\)
   \[
   \text{QP} = 408 \text{ in}
   \]
   \[
   \text{Area} = \frac{867}{2} \text{ ft}^2
   \]

4) \(\text{NL} = 48 \text{ yd} ; \text{MK} = 93 \text{ ft}\)
   \[
   \text{Area} = \frac{744}{2} \text{ yd}^2
   \]

7) The length and width of a rectangle are 4 inches and 1 yard respectively. Determine the area of the rectangle.
   \[
   \text{Area} = 144 \text{ square inches}
   \]

8) What is the area of rhombus, if the diagonals measure 5 yards and 24 feet?
   \[
   \text{Area} = 20 \text{ square yards}
   \]

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