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## Area of a Rhombus

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

1) diagonal $1=32 \mathrm{ft}$, diagonal $2=16 \mathrm{yd}$
2) diagonal $1=11$ yd, diagonal $2=144$ in

Area $=$ $\qquad$ $\mathrm{ft}^{2}$

Area $=$ $\qquad$ $y d^{2}$
3) diagonal $1=16$ yd, diagonal $2=81 \mathrm{ft}$
4) diagonal $1=31 \mathrm{in}$, diagonal $2=2 \mathrm{ft}$
5)

$$
\begin{aligned}
& \text { Area }= \\
& \text { B) Find the area of each } r
\end{aligned}
$$

$\qquad$
$\mathrm{yd}^{2}$
Area $=$
$\mathrm{in}^{2}$

$D F=540 \mathrm{in} ; E G=20 \mathrm{yd}$
$\mathrm{UW}=1 \mathrm{yd} ; \mathrm{VX}=45 \mathrm{in}$

Area $=$ $\qquad$ $y d^{2}$

Area $=$ $\qquad$ $i n^{2}$
9) The diagonals of a rhombus measure 180 inches and 10 feet. Determine the area.

