## Answer on Question \#74075 - Math - Geometry

## Question

Find the area of a circle with diameter 10ft. Use the value 3.14 for $\pi$, and do not round your answer.
Be sure to include the correct unit in your answer.

## Solution

The area of a circle is given by the formula:

$$
\begin{gathered}
A=\frac{\pi d^{2}}{4} \\
A=3.14 \frac{10^{2}}{4}=78.5 \mathrm{ft}^{2} .
\end{gathered}
$$

Answer: $78.5 f^{2}$.

