1. Find the area of the figure. (Round your answer to one decimal place.)
   \[ \text{cm}^2 \]
   
   \[ \text{8.0 cm} \]
   
   \[ \text{3.2 cm} \]
   
   \[ \text{9.8 cm} \]

2. Find the area of the figure. (Round your answer to one decimal place.)
   \[ \text{ft}^2 \]
   
   \[ \text{3.3 ft} \]
   
   \[ \text{1.2 ft} \]
   
   \[ \text{2.2 ft} \]

3. Find the area of the figure. (Round your answer to one decimal place.)
   \[ \text{ft}^2 \]
4. Question Details JModd7 8.1.010. [1639303]

Consider the following figure. (Round your answers to one decimal place.)

(a) Find the area of the circle.

\( \text{mi}^2 \)

(b) Find the circumference of the circle.

\( \text{mi} \)

5. Question Details JModd7 8.1.011.CMI. [1639539]

Consider the following figure.

(a) Find the area of the figure.

\( \text{m}^2 \)

(b) Find the perimeter of the figure.

\( \text{m} \)
6. Consider the following figure.

(a) Find the area of the figure. (Round your answer to one decimal place.)

\[ \text{cm}^2 \]

(b) Find the perimeter of the figure.

\[ \text{cm} \]

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7. Consider the following figure.

(a) Find the area of the figure.

\[ \text{m}^2 \]

(b) Find the perimeter of the figure.

\[ \text{m} \]
Consider the following figure. (Round your answers to one decimal place.)

(a) Find the area of the figure.

(b) Find the perimeter of the figure.
9. Consider the following figure. \textit{Hint: See Example 4.} (Round your answer to one decimal place.)

\begin{figure}
\centering
\includegraphics[width=0.5\textwidth]{norman_window_diagram}
\caption{Norman window diagram}
\end{figure}

(a) Find the area of the Norman window. 
\[ \text{area} = \text{ft}^2 \]

(b) Find the perimeter of the Norman window. 
\[ \text{perimeter} = \text{ft} \]

10. A circular swimming pool has diameter 70 feet and is centered in a fenced-in square region measuring 90 feet by 90 feet. A concrete sidewalk 5 feet wide encircles the pool, and the rest of the region is grass, as shown in the figure below. (Round your answers to one decimal place.)

\begin{figure}
\centering
\includegraphics[width=0.5\textwidth]{pool_diagram}
\caption{Swimming pool diagram}
\end{figure}

(a) Find the surface area of the water. 
\[ \text{surface area} = \text{ft}^2 \]

(b) Find the area of the concrete sidewalk. 
\[ \text{sidewalk area} = \text{ft}^2 \]

(c) Find the area of the grass. 
\[ \text{grass area} = \text{ft}^2 \]

11. The perimeter of a square window is 18 feet 8 inches.
(a) Find the area of the window in square inches.

\[ \text{in}^2 \]

(b) Find the area of the window in square feet. (Round your answer to one decimal place.)

\[ \text{ft}^2 \]

12. Question Details

A square window has an area of 484 square inches. Find the perimeter of the window.

\[ \text{in} \]

13. Question Details

You walk 100 yards due south, then 130 yards due west, and then 20 yards due north. How far are you from your starting point? (Round your answer to one decimal place.)

\[ \text{yd} \]

14. Question Details

A ladder is leaning against a building. If the bottom of the ladder is \( \frac{5}{2} \) feet from the wall and the top of the ladder is 12 feet above the ground, how long is the ladder? (Round your answer to one decimal place.)

\[ \text{ft} \]