Indicate the answer choice that best completes the statement or answers the question.

Find area of the composite figure shown below. Round to the nearest tenth if necessary.

1.

Find the area. Round to the nearest tenth.

2.

Find the circumference. Round to the nearest tenth.

3.
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Find the volume of each rectangular prism. Round to the nearest tenth if necessary.

4.

\begin{align*}
\text{12 mm} \\
\text{8 mm} \\
\text{6 mm}
\end{align*}

a. 288 mm$^3$  
 b. 768 mm$^3$

c. 576 mm$^3$  
 d. 26 mm$^3$

Find the volume of each triangular prism. If necessary, round to the nearest tenth.

5.

\begin{align*}
\text{4 m} \\
\text{10 m} \\
\text{6 m}
\end{align*}

a. 240 m$^3$  
 b. 20 m$^3$

c. 120 m$^2$  
 d. 120 m$^3$

6. Katrina is going to paint the front door of her house. What is the area of the door? Use 3.14 for $\pi$.

\begin{align*}
\text{5 ft} \\
\text{4 ft}
\end{align*}

a. 6.28 ft$^2$  
 b. 20 ft$^2$

c. 26.28 ft$^2$  
 d. 32.56 ft$^2$
Find the volume of each pyramid. Round to the nearest tenth if necessary.

7.

7 ft
10 ft
6 ft
5 ft

a. 300 ft³  b. 80 ft³
c. 110 ft³  d. 100 ft³

Find the surface area of each prism. Round to the nearest tenth if necessary.

8.

15 mm
7 mm
4.4 mm

a. 201.8 mm²  b. 105.6 mm²
c. 403.6 mm²  d. 484 mm²

9.
10. Find the total surface area of the square pyramid below. Round to the nearest tenth if necessary.

![Pyramid Diagram]

- a. 180 in\(^2\)
- b. 36 in\(^2\)
- c. 144 in\(^2\)
- d. 24 in\(^2\)

11. Mr. George is a carpenter and is making a bed as shown below. Find the surface area of the bed.

![Bed Diagram]

- a. 2862 in\(^2\)
- b. 2826 in\(^2\)
- c. 2934 in\(^2\)
- d. 2790 in\(^2\)
12. The diagram below gives the dimensions of a swimming pool with a concrete island. What is the area of the pool? Use 3.14 for pi and round your answer to the nearest tenth. (Hint: Find the area of the large circle minus the area of the small circle.)

![Swimming Pool Diagram]

13. Sheila has a pyramid-shaped box to keep her jewelry in. Find the total surface area of the box.

![Pyramid Diagram]

14. What are the volume and the surface area of the snack container in cubic centimeters? The pyramid has a slant height of 10cm.

SURFACE AREA:

VOLUME: