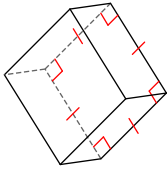


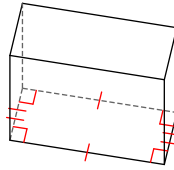
Topic 6: Solid Figures - Volumes & Surface Areas

Name each figure.

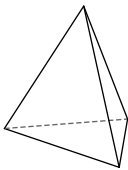
1)



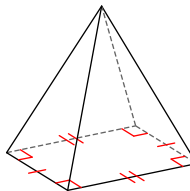
2)



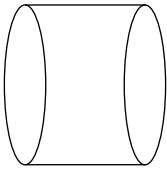
3)



4)



5)

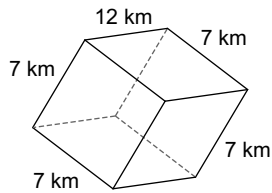


6)

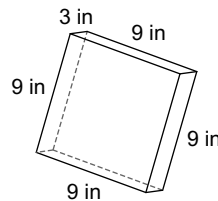


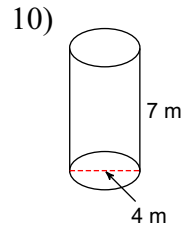
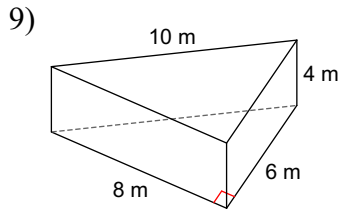
Find the volume of each figure. Round to the nearest tenth.

7)



8)

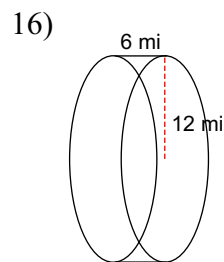
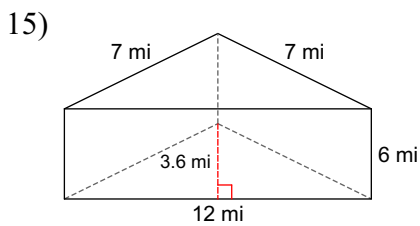
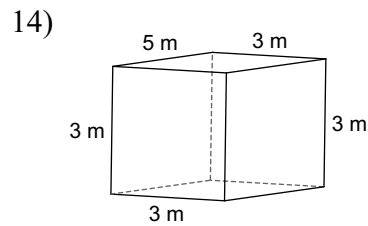
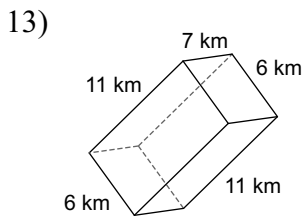




11) A square prism measuring 1 yd along each edge of the base and 3 yd tall.

12) A cylinder with a diameter of 24 in and a height of 12 in.

**Find the surface area of each figure. Round to the nearest tenth.**



17) A rectangular prism measuring 11 km and 10 km along the base and 10 km tall.

18) A cylinder with a diameter of 18 in and a height of 11 in.

## Answers to Topic 6: Solid Figures - Volumes & Surface Areas (ID: 1)

- |                        |                         |                          |                           |
|------------------------|-------------------------|--------------------------|---------------------------|
| 1) square prism        | 2) rectangular prism    | 3) triangular pyramid    | 4) rectangular pyramid    |
| 5) cylinder            | 6) cone                 | 7) $588 \text{ km}^3$    | 8) $243 \text{ in}^3$     |
| 9) $96 \text{ m}^3$    | 10) $88 \text{ m}^3$    | 11) $3 \text{ yd}^3$     | 12) $5428.7 \text{ in}^3$ |
| 13) $370 \text{ km}^2$ | 14) $78 \text{ m}^2$    | 15) $199.2 \text{ mi}^2$ | 16) $1357.2 \text{ mi}^2$ |
| 17) $640 \text{ km}^2$ | 18) $1131 \text{ in}^2$ |                          |                           |