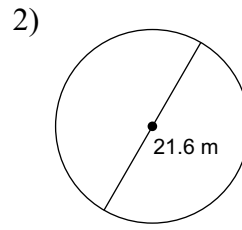
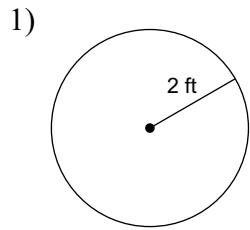
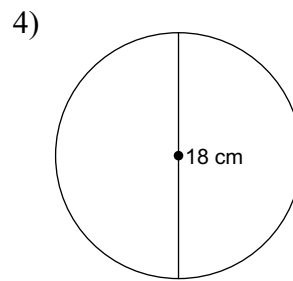
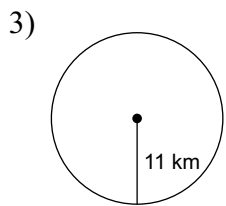


Areas, Surface Areas, and Volumes

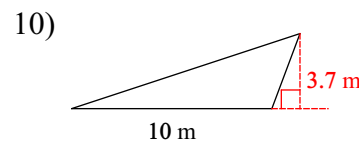
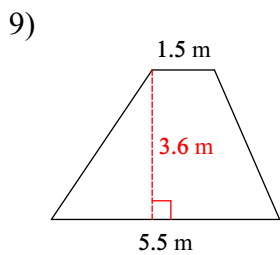
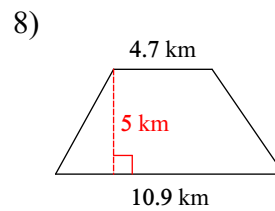
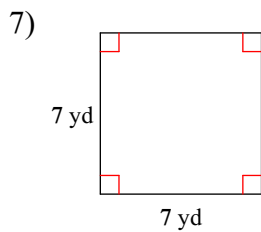
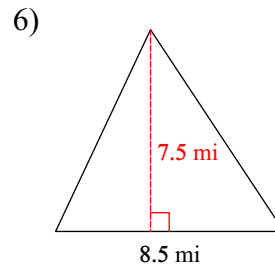
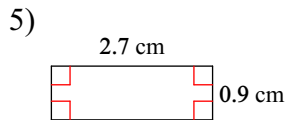
Find the area of each. Use your calculator's value of  $\pi$ . Round your answer to the nearest tenth.



Find the circumference of each circle. Leave pi in your answer.

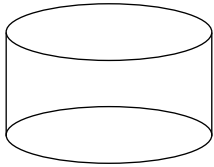


Find the area of each.

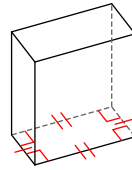


Name each figure.

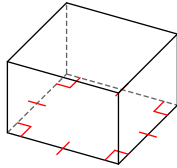
11)



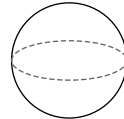
12)



13)

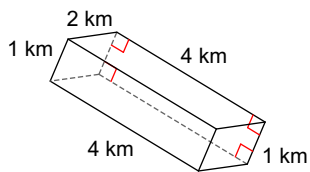


14)

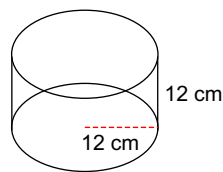


Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.

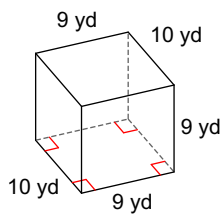
15)



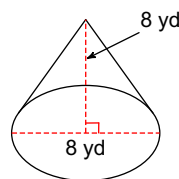
16)



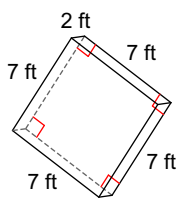
17)



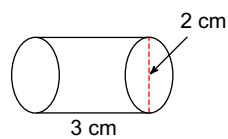
18)



19)

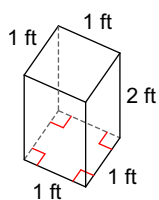


20)

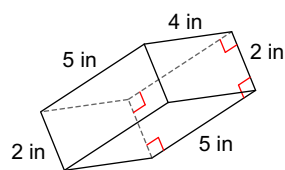


Find the surface area of each figure. Round your answers to the nearest hundredth, if necessary.

21)



22)



## Answers to Areas, Surface Areas, and Volumes (ID: 1)

- |                        |                           |                       |                            |
|------------------------|---------------------------|-----------------------|----------------------------|
| 1) $12.6 \text{ ft}^2$ | 2) $366.4 \text{ m}^2$    | 3) $22\pi \text{ km}$ | 4) $18\pi \text{ cm}$      |
| 5) $2.43 \text{ cm}^2$ | 6) $31.875 \text{ mi}^2$  | 7) $49 \text{ yd}^2$  | 8) $39 \text{ km}^2$       |
| 9) $12.6 \text{ m}^2$  | 10) $18.5 \text{ m}^2$    | 11) cylinder          | 12) rectangular prism      |
| 13) square prism       | 14) sphere                | 15) $8 \text{ km}^3$  | 16) $5428.67 \text{ cm}^3$ |
| 17) $810 \text{ yd}^3$ | 18) $134.04 \text{ yd}^3$ | 19) $98 \text{ ft}^3$ | 20) $9.42 \text{ cm}^3$    |
| 21) $10 \text{ ft}^2$  | 22) $76 \text{ in}^2$     |                       |                            |