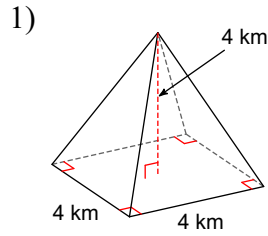
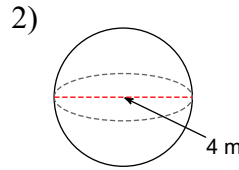


Section 6 Prep Problems

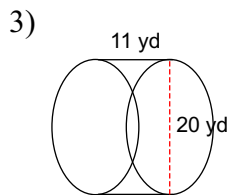
Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.



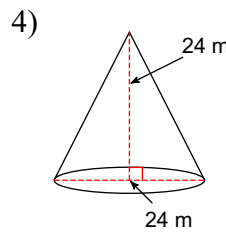
- A)  $23.71 \text{ km}^3$
- B)  $29.3 \text{ km}^3$
- C)  $64 \text{ km}^3$
- D)  $21.33 \text{ km}^3$



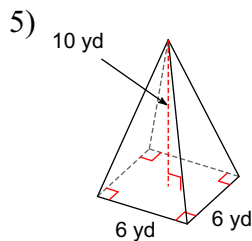
- A)  $44.53 \text{ m}^3$
- B)  $22.7 \text{ m}^3$
- C)  $33.51 \text{ m}^3$
- D)  $268.08 \text{ m}^3$



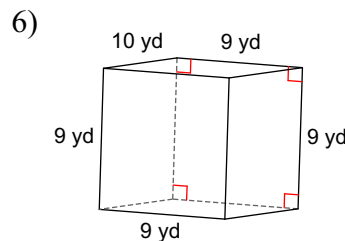
- A)  $3455.75 \text{ yd}^3$
- B)  $3444.99 \text{ yd}^3$
- C)  $4926.16 \text{ yd}^3$
- D)  $13823 \text{ yd}^3$



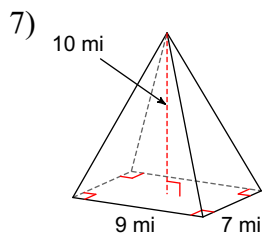
- A)  $14476.5 \text{ m}^3$
- B)  $2412.11 \text{ m}^3$
- C)  $5186.67 \text{ m}^3$
- D)  $3619.11 \text{ m}^3$



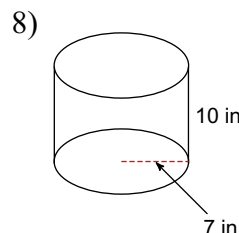
- A)  $120 \text{ yd}^3$
- B)  $360 \text{ yd}^3$
- C)  $151 \text{ yd}^3$
- D)  $123 \text{ yd}^3$



- A)  $904 \text{ yd}^3$
- B)  $810 \text{ yd}^3$
- C)  $1114 \text{ yd}^3$
- D)  $644 \text{ yd}^3$

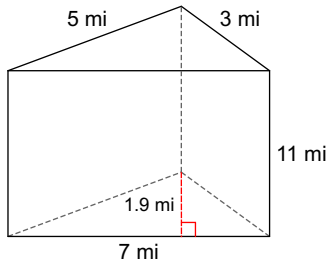


- A)  $116 \text{ mi}^3$
- B)  $630 \text{ mi}^3$
- C)  $208 \text{ mi}^3$
- D)  $210 \text{ mi}^3$



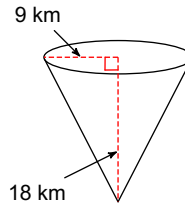
- A)  $1539.38 \text{ in}^3$
- B)  $1646.81 \text{ in}^3$
- C)  $2249.66 \text{ in}^3$
- D)  $2138.61 \text{ in}^3$

9)



- A)  $45.22 \text{ mi}^3$       B)  $100.39 \text{ mi}^3$   
 C)  $53.5 \text{ mi}^3$       D)  $73.15 \text{ mi}^3$

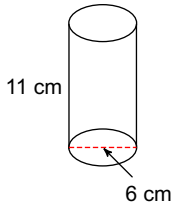
10)



- A)  $1188.33 \text{ km}^3$   
 B)  $1526.81 \text{ km}^3$   
 C)  $1084.53 \text{ km}^3$   
 D)  $2090.2 \text{ km}^3$

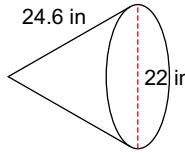
**Find the lateral area of each figure. Round your answers to the nearest hundredth, if necessary.**

11)



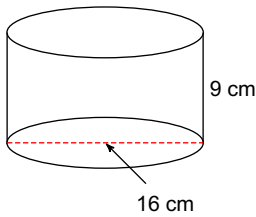
- A)  $414.69 \text{ cm}^2$       B)  $148.17 \text{ cm}^2$   
 C)  $207.35 \text{ cm}^2$       D)  $211.27 \text{ cm}^2$

12)



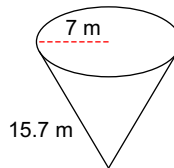
- A)  $850.11 \text{ in}^2$       B)  $635.17 \text{ in}^2$   
 C)  $1085.63 \text{ in}^2$       D)  $1700.23 \text{ in}^2$

13)



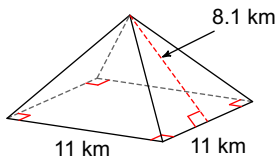
- A)  $269.18 \text{ cm}^2$       B)  $464.05 \text{ cm}^2$   
 C)  $452.39 \text{ cm}^2$       D)  $904.78 \text{ cm}^2$

14)



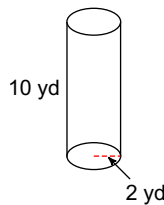
- A)  $467.98 \text{ m}^2$       B)  $203.26 \text{ m}^2$   
 C)  $345.26 \text{ m}^2$       D)  $253.73 \text{ m}^2$

15)



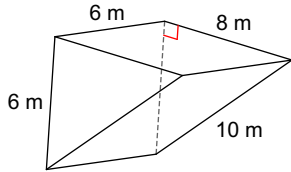
- A)  $241.3 \text{ km}^2$       B)  $188.4 \text{ km}^2$   
 C)  $95.9 \text{ km}^2$       D)  $178.2 \text{ km}^2$

16)



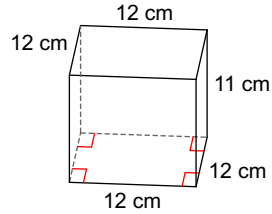
- A)  $125.66 \text{ yd}^2$       B)  $132.78 \text{ yd}^2$   
 C)  $90.43 \text{ yd}^2$       D)  $161.15 \text{ yd}^2$

17)



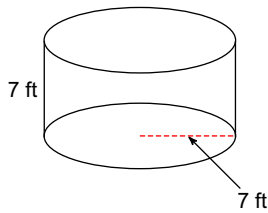
- A)  $195 \text{ m}^2$       B)  $144 \text{ m}^2$   
 C)  $112 \text{ m}^2$       D)  $110 \text{ m}^2$

18)



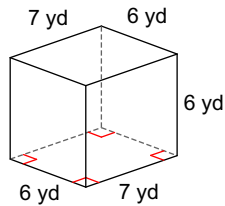
- A)  $528 \text{ cm}^2$       B)  $509 \text{ cm}^2$   
 C)  $718 \text{ cm}^2$       D)  $336 \text{ cm}^2$

19)



- A)  $272.91 \text{ ft}^2$       B)  $307.88 \text{ ft}^2$   
 C)  $355.54 \text{ ft}^2$       D)  $403.65 \text{ ft}^2$

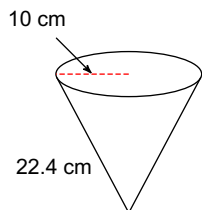
20)



- A)  $85 \text{ yd}^2$       B)  $200 \text{ yd}^2$   
 C)  $101 \text{ yd}^2$       D)  $156 \text{ yd}^2$

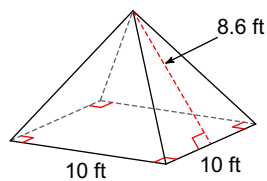
**Find the surface area of each figure. Round your answers to the nearest hundredth, if necessary.**

21)



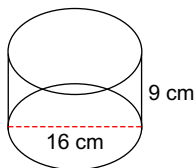
- A)  $1332.35 \text{ cm}^2$   
 B)  $1017.88 \text{ cm}^2$   
 C)  $715.05 \text{ cm}^2$   
 D)  $870.17 \text{ cm}^2$

22)



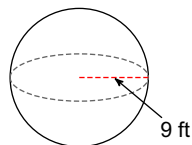
- A)  $157 \text{ ft}^2$       B)  $304 \text{ ft}^2$   
 C)  $312 \text{ ft}^2$       D)  $272 \text{ ft}^2$

23)



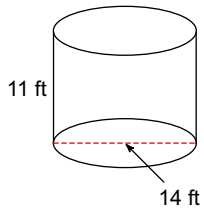
- A)  $1012.79 \text{ cm}^2$   
 B)  $2513.27 \text{ cm}^2$   
 C)  $854.51 \text{ cm}^2$   
 D)  $614.94 \text{ cm}^2$

24)



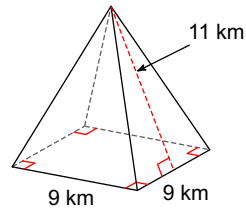
- A)  $718.34 \text{ ft}^2$       B)  $547.63 \text{ ft}^2$   
 C)  $1017.88 \text{ ft}^2$       D)  $1029.14 \text{ ft}^2$

25)



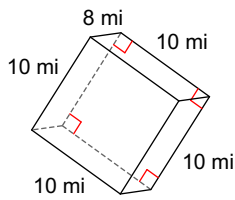
- A)  $2199.11 \text{ ft}^2$       B)  $584.79 \text{ ft}^2$   
 C)  $890.64 \text{ ft}^2$       D)  $791.68 \text{ ft}^2$

26)



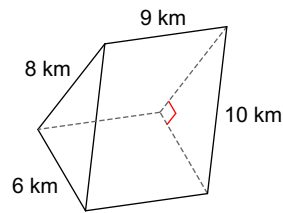
- A)  $279 \text{ km}^2$       B)  $208 \text{ km}^2$   
 C)  $152 \text{ km}^2$       D)  $346 \text{ km}^2$

27)



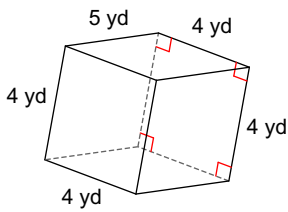
- A)  $420 \text{ mi}^2$       B)  $520 \text{ mi}^2$   
 C)  $440 \text{ mi}^2$       D)  $730 \text{ mi}^2$

28)



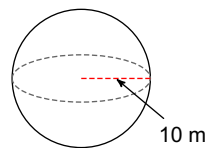
- A)  $306 \text{ km}^2$       B)  $395 \text{ km}^2$   
 C)  $240 \text{ km}^2$       D)  $264 \text{ km}^2$

29)



- A)  $164 \text{ yd}^2$       B)  $112 \text{ yd}^2$   
 C)  $119 \text{ yd}^2$       D)  $96 \text{ yd}^2$

30)



- A)  $1041.02 \text{ m}^2$       B)  $1017.49 \text{ m}^2$   
 C)  $1256.64 \text{ m}^2$       D)  $1339.42 \text{ m}^2$

## Answers to Section 6 Prep Problems (ID: 1)

1) D  
5) A  
9) D  
13) C  
17) B  
21) B  
25) D  
29) B

2) C  
6) B  
10) B  
14) C  
18) A  
22) D  
26) A  
30) C

3) A  
7) D  
11) C  
15) D  
19) B  
23) C  
27) B

4) D  
8) A  
12) A  
16) A  
20) D  
24) C  
28) D