

Practice for Q4OBQ1/CBQ1 - Ref: Ch. 12-3 to 12-4

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Find the circumference of each circle (exact).

1) radius = 12 mi

2) radius = 5 in

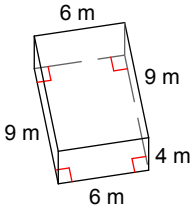
Find the area of each circle (exact).

3) radius = 8 mi

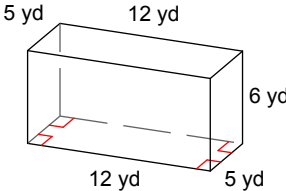
4) radius = 11 km

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

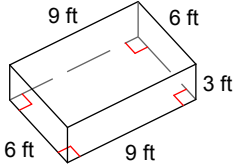
5)



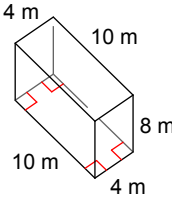
6)



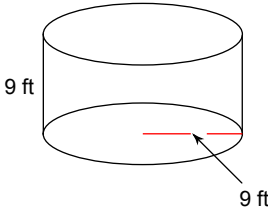
7)



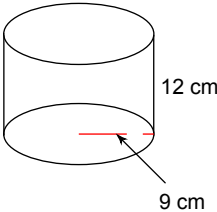
8)



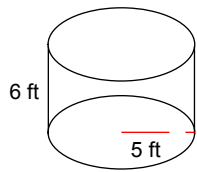
9)



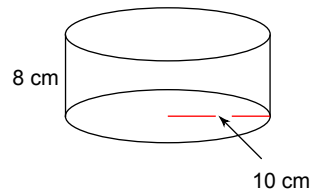
10)



11)

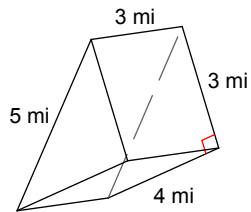


12)

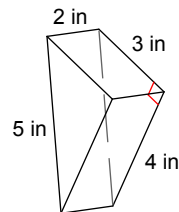


Find the surface area of each figure. Round your answers to the nearest tenth, if necessary.

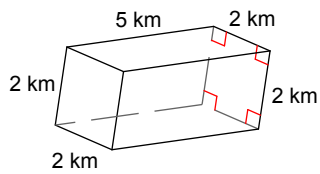
13)



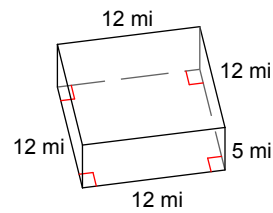
14)



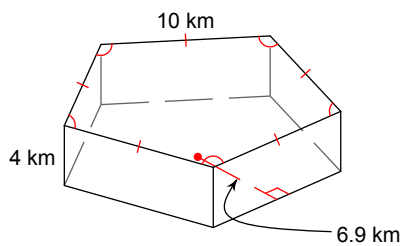
15)



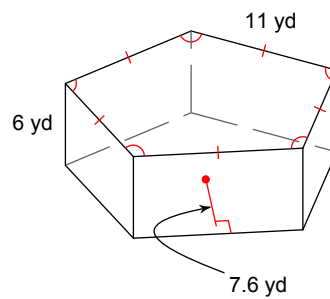
16)



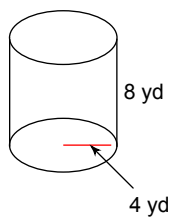
17)



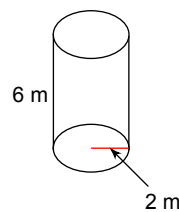
18)



19)



20)



Answers to Practice for Q4OBQ1/CBQ1 - Ref: Ch. 12-3 to 12-4 (ID: 1)

- | | | | |
|-------------------------|-------------------------|----------------------------|-----------------------------|
| 1) 24π mi | 2) 10π in | 3) 64π mi ² | 4) 121π km ² |
| 5) 120 m ² | 6) 204 yd ² | 7) 90 ft ² | 8) 224 m ² |
| 9) 509 ft ² | 10) 679 cm ² | 11) 188 ft ² | 12) 503 cm ² |
| 13) 48 mi ² | 14) 36 in ² | 15) 48 km ² | 16) 528 mi ² |
| 17) 545 km ² | 18) 748 yd ² | 19) 301.6 yd ² | 20) 100.5 m ² |