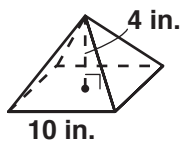


Answers for Lesson 11-3, pp. 620–622 Exercises

1. 408 in.^2
2. 138 m^2
3. 179 in.^2
4. 204 m^2
5. 354 cm^2
6. 51 m^2
7. $834,308 \text{ ft}^2$
8. $144\pi \text{ cm}^2$
9. $33\pi \text{ ft}^2$
10. $119\pi \text{ cm}^2$
11. 1044 in.^2
12. 31 m^2
13. 47 cm^2
14. Answers may vary. Sample: $PT < PR$, since PR is a hyp. in $\triangle PTR$. $m\angle PCR = m\angle PBR$ (since $\triangle PCB$ is isosc.) and $m\angle PBR < m\angle PRC$, so $m\angle PCR < m\angle PRC$. Therefore, $PR < PC$.
15. Altitude; altitude; the altitude is shorter because it is one leg of a right \triangle with the lateral edge as the hyp., and is steeper because it rises the same vert. distance over less horiz. distance.

16. 228.1 in.^2



17. 8 ft

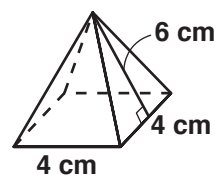
18. 478 cm^2

19. 62 cm^2

20. 28 in.^2

21. 4 in.

22. Answers may vary. Sample:



64 cm^2

23. 1580.6 ft^2

