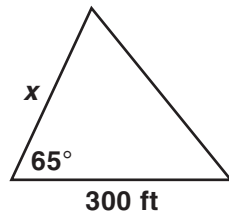


Answers for Lesson 10-5, pp. 561–563 Exercises

1. 173.8 cm^2
2. 84.3 in.^2
3. 259.8 m^2
4. 2540.5 yd^2
5.
 - a. 72
 - b. 36
 - c. about 8.1 in.
 - d. about 11.8 in.
 - e. about 58.8 in.
 - f. about 238 in.^2
6. 259.8 ft^2
7. 47.0 in.^2
8. 1131.4 cm^2
9. 8 ft^2
10. 151 m^2
11. 27.7 m^2
12. 18.0 ft^2
13. 7554.0 m^2
14. 311.3 km^2
15. 151.4 mm^2
16. 0.7 ft^2
17. 5523 yd^2
18.
 - a. 50 mm^2
 - b. 116 mm^2
19. Answers may vary. Sample:
 1. Find the apothem and the side \perp to apothem using a 30-60-90 \triangle with hyp. 1. Then use the formula
$$A = \frac{1}{2}ap.$$
 2. After finding the apothem and the \perp side, the height of the equil. \triangle is the apothem + 1. Then use the formula
$$A = \frac{1}{2}bh.$$

Answers for Lesson 10-5, pp. 561–563 Exercises (cont.)

36. 320 ft



37. (0.65)