

Chapter 7 Final Review

Homework Answers

Pg 696 - #1-20

1. $15 \text{ ft}; 10.825 \text{ ft}^2$

2. $16 \text{ m}; 12 \text{ m}^2$

3. $50 \text{ ft}; 143 \text{ ft}^2$

4. $47 \text{ m}; 102 \text{ m}^2$

5. 15

6. $5\sqrt{3}$

7. $3\sqrt{5}$

8. $3\sqrt{2}$

9. 72 cm^2

10. 15 in^2

11. $\frac{25}{4}\sqrt{3} \text{ mm}^2$

12. $32\sqrt{3} \text{ ft}^2$

13. a) $6\pi \text{ cm}$ b) $2\pi \text{ cm}$

14. a) $20\pi \text{ ft}$ b) $\frac{5}{3}\pi \text{ ft}$

15. a) $18\pi \text{ cm}$ b) $\frac{9}{2}\pi \text{ cm}$

16. a) $10\pi \text{ in}$ b) $\frac{25}{4}\pi \text{ in}$

17. $\frac{49}{3}\pi \text{ ft}^2$

18. $(12\pi - 9\sqrt{3}) \text{ in}^2$

19. $\frac{81}{8}\pi \text{ cm}^2$

20. $(4\pi - 8) \text{ m}^2$