

SM3H 6.2 odd answers

1. $A = 3\pi$ sq. ft. ≈ 9.4 sq. ft.
3. $A = \frac{1323\pi}{800}$ sq. km ≈ 5.2 sq. km
5. $A = \frac{8\pi}{25}$ sq. ft. ≈ 1.0 sq. ft.
7. $r \approx 3.1$ km
9. $\theta = 24$ rad
11. 20.9 inches
13. 8π rads/sec or 25.1 radians per second
15. $300 \text{ rev}/\pi \text{ hr}$ or 95.5 revolutions per hour
17. 0.7 radians per second
19. 364.7 miles per minute
- 21a. 153.5 miles per hour
- 21b. 268.6 miles per hour
23. $2\sqrt{15}$
25. $12\sqrt{2} - 18\sqrt{3}$
27. $\frac{5\sqrt{2}}{2}$