

SM3 8.3 odd answers

1. $\frac{\pi}{3}, \approx 1.0472$

3. $\frac{1793\pi}{4500}, \approx 1.2518$

5. $-\frac{4\pi}{3} \approx -4.1888$

7. $\frac{7\pi}{4} \approx 5.4978$

9. 30°

11. 420°

13. 117°

15. 74.48°

17. 300°

19. 990°

21. -120°

23. $-\frac{17\pi}{3}$

25. $S \approx 2.1$ m

27. $S \approx 14.7$ km

29. $S \approx 20.9$ in

31. $\theta = 1432.4^\circ$

33. $\theta = 4$ rad

35. $\theta = \frac{4}{7}$ rad or ≈ 0.6 rad

37. $A = 3\pi$ sq. ft. ≈ 9.4 sq. ft.

39. $A = \frac{1323\pi}{800}$ sq. km ≈ 5.2 sq. km

41. $A = \frac{8\pi}{25}$ sq. ft. ≈ 1.0 sq. ft.

43. $r \approx 3.1$ km

45. $\theta = 24$ rad