

SM3H 6.1 odd answers

1. $\approx 2.6180, \frac{5\pi}{6}$

3. $\approx 1.5708, \frac{\pi}{2}$

5. $\approx 1.0716, \frac{307\pi}{900}$

7. 110°

9. 45°

11. 114.59°

13. $\approx 2.0944, \frac{2\pi}{3}$

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

17. 108°

19. $420^\circ, -300^\circ$

21. $315^\circ, -405^\circ$

23. $\frac{7\pi}{3}, -\frac{5\pi}{3}$

25. Q I

27. Q IV

29. 20°

31. D

33. yes

35. $S = \frac{27\pi}{8}$ ft, $S \approx 10.6$ ft

37. $S = 25\pi$ yd, $S \approx 78.5$ yd

39. $S = \frac{3\pi}{2}$ mi, $S \approx 4.7$ mi

41. $r \approx 1.9$ feet

43. $r \approx 0.5$ cm

45. $r \approx 1.1$ m

47. $x \approx 2.0986$