

Chapter 7 Review

5. $\frac{1}{2}$

9. $2\sqrt{2}$

21. $\frac{9}{2}$

29. 6

6. $\frac{2\pi}{35}$

14. a) $\frac{243\pi}{5}$

b) $\frac{108\pi}{5}$

19. $\frac{208\pi}{3}$

21. a) $\frac{64\pi}{3}$

b) $\frac{128\pi}{3}$

c) $\frac{64\pi}{3}$

d) $\frac{160\pi}{3}$

22 a) 8π

b) $\frac{8\pi}{3}$

c) $\frac{32\pi}{5}$

d) $\frac{176\pi}{15}$

28. $-\frac{\pi}{2} \left(\frac{1}{e^2} + 1 \right)$

62. a) $\frac{16807}{30}$

b) $\frac{343}{6}$

30. a) $\frac{\pi}{12}$

b) $\frac{32\pi}{105}$

32. $\frac{2\pi}{3}$