

Review for Chapter 4

P/1

5. $\frac{1}{2}x^2 - \frac{1}{x} + C$

7. $2x^2 + 3\cos x + C$

2. $5\sin x - 2\tan x + C$

4. $h(t) = 2t^4 + 5t - 11$

6. $h(x) = 3x^2 + 10$

8. 10ft

10. $27\frac{1}{2}$

45. 0

48. $\frac{1}{8}$

50. 2

53. $\frac{10}{3}$

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

69. $\frac{2}{3}(x^3+3)^{\frac{1}{2}} + C$

71. $-\frac{1}{30}(1-3x^2)^5 + C$

73. $\frac{1}{4}\sin^4 x + C$

70. $\frac{2}{9}(x^2+3)^{\frac{3}{2}} + C$

72. $\frac{-1}{2(x^2+6x-5)} + C$

74. $\frac{1}{6}\cos 3x^2 + C$

76. $2\sqrt{\sin x} + C$

77. $\frac{\tan^{n+1} x}{n+1} + C$

80. $\frac{2}{5}(x+2)^{\frac{5}{6}} - \frac{4}{3}(x+2)^{\frac{3}{2}} + C$

81. $-\frac{9}{4}$

82. $\frac{5}{4}$

83. 2

84. $\frac{2\sqrt{7}-1}{3}$

86. $\frac{32\pi}{105}$

88. 0

95. ,2543

97. .6366

96. trapezoid -
.1673

Simpson -
.1659

98. trapezoid -
3.8202

Simpson -
3.8203