Answers to Even-Numbered Exercises

Exercises 10, 12, 14 (p. 249)

10. $\int x^{-2}dx = -x^{-1} + C = -\frac{1}{x} + C$

12. $\int (x^3 + 3x)dx = \frac{x^4}{4} + 3\left(\frac{x^2}{2}\right) + C = \frac{1}{4}x^4 + \frac{3}{2}x^2 + C$

14. $\int \frac{1}{9}x^{-2}dx = \frac{1}{9}(-x^{-1}) + C = -\frac{1}{9x} + C$