

MAT143 – Cálculo para Ciências Biológicas
Respostas da Lista de Exercícios 8

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

(b) $\frac{1}{3}x^3 + \frac{1}{4}x^4 + \frac{1}{5}x^5 + C$

(c) $\frac{4}{7}x^{7/4} + C$

(d) $\frac{3}{2}x^{2/3} + C$

(e) $\frac{2}{3}x^{3/2} - 2\sqrt{x} + C$

(f) $6\sqrt{x} + \frac{4}{3}x^{3/2} + C$

(g) $\frac{1}{9}(3x^2 + 1)^{3/2} + C$

(h) $-\frac{5}{72}(1 - 4x^3)^{6/5} + C$

(i) $\frac{3}{20(2-x^{5/3})^4} + C$

(j) $\sqrt{1 + 4x + 3x^2} + C$

(k) $-\frac{1}{2}\cos 2x + C$

(l) $\frac{1}{2}e^{2x} + C$