

S. 200

4 f) $G(x) = \frac{2}{21} x^7 + C$

g) $H(t) = \frac{2}{3} at^3 + C$

h) $F(r) = \frac{c}{7} r^7 + C$

5 f) $F(x) = \frac{1}{24} x^{24} + C$

g) $F(x) = \frac{1}{2k+2} x^{2k+2} + C$

h) $F(x) = \frac{1}{2-n} x^{2-n} + C$

6 f) $F(x) = -a x^{-1} + C = -\frac{a}{x} + C$

g) $F(x) = -\frac{c}{2t} x^{-2} + d = -\frac{c}{2tx^2} + d$

h) $F(x) = \frac{3}{-n+1} x^{-n+1} + C = -\frac{3}{(n-1)x^{n-1}} + C$

7 f) $F(x) = \sqrt{x} + C$

g) $F(x) = 4\sqrt{x} + C$

h) $F(x) = \frac{8}{3}\sqrt{x} + C$

8 f) $F(x) = \frac{1}{2} ax + \frac{1}{2} cx^2 + \frac{2}{9} dx^5 + e$

g) $f(x) = x^2 - 2x^3 \rightarrow F(x) = \frac{1}{3} x^3 - \frac{1}{2} x^4 + C$

h) $F(x) = a_0 x + \frac{1}{2} a_1 x^2 - \frac{1}{4} a_2 x^4 + C$