

- 1) $f(x) = x^{-3} \Rightarrow F(x) = \frac{x^{-2}}{-2} + c$
- 2) $f(x) = x^{-8} \Rightarrow F(x) = \frac{x^{-7}}{-7} + c$
- 3) $f(x) = x^{-9} \Rightarrow F(x) = \frac{x^{-8}}{-8} + c$
- 4) $f(x) = \frac{1}{x^3} \Rightarrow F(x) = \frac{x^{-2}}{-2} + c$
- 5) $f(x) = \frac{1}{x^7} \Rightarrow F(x) = \frac{x^{-6}}{-6} + c$
- 6) $f(x) = \frac{1}{x^8} \Rightarrow F(x) = \frac{x^{-7}}{-7} + c$
- 7) $f(x) = x^{\frac{2}{5}} \Rightarrow F(x) = \frac{x^{\frac{2}{5}+1}}{\frac{2}{5}+1} + c = \frac{x^{\frac{7}{5}}}{\frac{7}{5}} + c$
- 8) $f(x) = x^{-\frac{1}{3}} \Rightarrow F(x) = \frac{x^{-\frac{1}{3}+1}}{-\frac{1}{3}+1} + c = \frac{x^{\frac{2}{3}}}{\frac{2}{3}} + c$
- 9) $f(x) = \sqrt{x} \Rightarrow F(x) = \frac{x^{\frac{1}{2}+1}}{\frac{1}{2}+1} + c = \frac{x^{\frac{3}{2}}}{\frac{3}{2}} + c$
- 10) $f(x) = \frac{1}{\sqrt{x}} \Rightarrow F(x) = \frac{x^{-\frac{1}{2}+1}}{-\frac{1}{2}+1} + c = \frac{x^{\frac{1}{2}}}{\frac{1}{2}} + c$
- 11) $f(x) = \sqrt[5]{x^4} \Rightarrow F(x) = \frac{x^{\frac{4}{5}+1}}{\frac{4}{5}+1} + c = \frac{x^{\frac{9}{5}}}{\frac{9}{5}} + c$
- 12) $f(x) = \sqrt{x^5} \Rightarrow F(x) = \frac{x^{\frac{5}{2}+1}}{\frac{5}{2}+1} + c = \frac{x^{\frac{7}{2}}}{\frac{7}{2}} + c$
- 13) $f(x) = \sqrt[3]{x^2} \Rightarrow F(x) = \frac{x^{\frac{2}{3}+1}}{\frac{2}{3}+1} + c = \frac{x^{\frac{5}{3}}}{\frac{5}{3}} + c$
- 14) $f(x) = \sqrt[4]{x^7} \Rightarrow F(x) = \frac{x^{\frac{7}{4}+1}}{\frac{7}{4}+1} + c = \frac{x^{\frac{11}{4}}}{\frac{11}{4}} + c$
- 15) $f(x) = \frac{1}{\sqrt[3]{x}} \Rightarrow F(x) = \frac{x^{-\frac{1}{3}+1}}{-\frac{1}{3}+1} + c = \frac{x^{\frac{2}{3}}}{\frac{2}{3}} + c$
- 16) $f(x) = \frac{1}{\sqrt[5]{x^3}} \Rightarrow F(x) = \frac{x^{-\frac{3}{5}+1}}{-\frac{3}{5}+1} + c = \frac{x^{\frac{2}{5}}}{\frac{2}{5}} + c$

$$17) \quad f(x) = \frac{1}{\sqrt[6]{x^7}} \Rightarrow F(x) = \frac{x^{\frac{-7}{6}+1}}{-\frac{7}{6}+1} + c = \frac{x^{\frac{-1}{6}}}{-\frac{1}{6}} + c$$