

30.9

- 1) $f(x) = 2x^2 - 5x + 1 \Rightarrow F(x) = 2\frac{x^3}{3} - 5\frac{x^2}{2} + x + c$
- 2) $f(x) = x^3 + 3x^2 - 5x + 7 \Rightarrow F(x) = \frac{x^4}{4} + \cancel{\frac{x^3}{3}} - 5\frac{x^2}{2} + 7x + c$
- 3) $f(x) = x^3 - 2x^2 + 4x - 1 \Rightarrow F(x) = \frac{x^4}{4} - 2\frac{x^3}{3} + 4\frac{x^2}{2} - x + c$
- 4) $f(x) = 2x^3 - 5x^2 + 6x + 1 \Rightarrow F(x) = 2\frac{x^4}{4} - 5\frac{x^3}{3} + 6\frac{x^2}{2} + x + c$
- 5) $f(x) = \frac{2}{x} - \frac{3}{x^2} \Rightarrow F(x) = 2\ln|x| + \frac{3}{x} + c$
- 6) $f(x) = \frac{1}{\sqrt{x}} - \frac{2}{x} + x^2 \Rightarrow F(x) = 2\sqrt{x} - 2\ln|x| + \frac{x^3}{3} + c$
- 7) $f(x) = 2^x - e^x + 3 \Rightarrow F(x) = \frac{2^x}{\ln 2} - e^x + 3x + c$
- 8) $f(x) = 2e^x - \eta\mu x + 4^x \Rightarrow F(x) = 2e^x + \sigma\upsilon\nu x + \frac{4^x}{\ln 4} + c$
- 9) $f(x) = \frac{4}{\sigma\upsilon\nu^2 x} - \sigma\upsilon\nu x \Rightarrow F(x) = 4\varepsilon\varphi x - \eta\mu x + c$
- 10) $f(x) = \frac{5}{\eta\mu^2 x} - \frac{3}{\sqrt{x}} + 2 \Rightarrow F(x) = -5\sigma\varphi x - 6\sqrt{x} + 2x + c$