

$$\textcircled{1} \int \frac{17-4x}{(x-2)(x+1)} dx$$

$$\textcircled{2} \int \frac{3x-5}{x(1-x)} dx$$

$$\textcircled{3} \int \frac{10x^2-23x+11}{(2-3x)(2x-1)^2} dx$$

$$\textcircled{4} \int_2^6 \frac{2x^2-x+11}{(x+2)(2x-3)} dx$$

$$\textcircled{5} \int_0^1 \frac{x^2}{x^2-4} dx$$

$$G = -\frac{1}{2x-1} - \ln|2-x| + C$$

$$R = 4\ln 3 - 3\ln 2$$

$$L = 4 + 4\ln 3 - 3\ln 2$$

$$R = 2\ln \left| \frac{x-2}{x+1} \right| - \frac{1}{x+1} + C$$

$$P = 3\ln|x-2| - 7\ln|x+1| + C$$

$$A = -\frac{2}{2x-1} - \frac{1}{3}\ln|2-3x| - \frac{1}{2}\ln|2x-1| + C$$

$$M = 1 - \ln 3$$

$$O = \frac{1}{x} + \ln \left| \frac{x-1}{x} \right| + C$$

$$R = 2\ln|x-1| - 5\ln|x| + C$$

$$E = 1 + \ln \left( \frac{25}{18} \right)$$