5.1 Izračunaj nedoločene integrale naslednjih funkcij:

$$
\begin{aligned}
f_1(x) &= x^3 - 9x^2, \\
f_2(x) &= 4x - 4x^2 - x^3, \\
f_3(x) &= \frac{2x+4}{x^2+4x+4}, \\
f_4(x) &= \frac{\cos(x)+\sin(x)}{\sin(x)}, \\
f_5(x) &= x\cos(x), \\
f_6(x) &= 2\cos(3x) - 1, \\
f_7(x) &= -\sin(2x+\pi), \\
f_8(x) &= 2\,\mathrm{tg}(x/4), \\
f_9(x) &= x^2 e^{2x+1} + 3, \\
f_{10}(x) &= e^{3x} - 2, \\
f_{11}(x) &= \log(5x+1), \\
f_{12}(x) &= 2\log(x) + 1, \\
f_{13}(x) &= \frac{2x+2}{x^2+4x+4}, \\
f_{14}(x) &= \frac{2x-2}{x^2+4x+5}, \\
f_{15}(x) &= \frac{2x-2}{x^2+5x+4}, \\
f_{16}(x) &= \frac{2x+2}{x^2+2x+1}, \\
f_{17}(x) &= \frac{2x-2}{x^2-2x+2}, \\
f_{18}(x) &= \frac{2x-1}{x^2-2x-8}, \\
f_{19}(x) &= \frac{2x+2}{x^2-4x+3}, \\
f_{20}(x) &= \frac{2x-2}{x^2-5x+4}, \\
f_{21}(x) &= \frac{2x-2}{x^2-2x-15}.
\end{aligned}
$$