1. Calcular las siguientes integrales indefinidas

a) $\int \dfrac{(2x+3)\,dx}{(x-2)\,(x+5)}$

b) $\int \dfrac{x\,dx}{(x+1)\,(x+2)\,(x+3)}$

c) $\int \dfrac{x\,dx}{x^3-3x+2}$

d) $\int \dfrac{x^2\,dx}{x^4+1}$

e) $\int \dfrac{dx}{(x+1)\,(x^2+1)^2\,(x+2)^2}$

f) $\int \dfrac{x^4\,dx}{(x^2+3)^2}$

g) $\int \dfrac{(x+1)\,dx}{(x^2-1)^2}$

h) $\int \dfrac{dx}{x^4-2x^3}$

i) $\int \dfrac{x^2\,dx}{(x^2+2x+2)^2}$

2. Calcular las siguientes integrales indefinidas

$\int \dfrac{2}{2x^2+3x+1}\,dx$

$\int \dfrac{x-4}{x^2-5x+6}\,dx$

$\int \dfrac{ax}{x^2-bx}\,dx$

$\int \dfrac{1}{(x+a)(x+b)}\,dx$

$\int \dfrac{x^3-2x^2-4}{x^3-2x^2}\,dx$

$\int \dfrac{x^3-4x-10}{x^2-x-6}\,dx$

$\int \dfrac{4y^2-7y-12}{y(y+2)(y-3)}\,dy$

$\int \dfrac{x^2+2x-1}{x^3-x}\,dx$

$\int \dfrac{x^2+1}{(x-3)(x-2)^2}\,dx$

$\int \dfrac{x^2-5x+16}{(2x+1)(x-2)^2}\,dx$

$\int \dfrac{x^3+4}{x^2+4}\,dx$

$\int \dfrac{ds}{s^2(s-1)^2}$

$\int \dfrac{10}{(x-1)(x^2+9)}\,dx$

$\int \dfrac{x^2-x+6}{x^3+3x}\,dx$

$\int \dfrac{4x}{x^3+x^2+x+1}\,dx$

$\int \dfrac{x^2+x+1}{(x^2+1)^2}\,dx$

$\int \dfrac{x^3+x^2+2x+1}{(x^2+1)(x^2+2)}\,dx$

$\int \dfrac{x^2-2x-1}{(x-1)^2(x^2+1)}\,dx$

$\int \dfrac{x+4}{x^2+2x+5}\,dx$

$\int \dfrac{3x^2+x+4}{x^4+3x^2+2}\,dx$