

## Partial Fractions

Integrate:

- $\int \frac{x-1}{x^2-2x} dx$
- $\int \frac{2x-1}{(x-1)^2(x^2+3)} dx$
- $\int_0^8 \frac{x^3+4x^2-12x+1}{x^2+5x+6} dx$
- $\int \frac{2x+1}{(x^2-4)(x^2+2)} dx$
- $\int \frac{\sin(x)}{\cos^3 x - 4 \cos x} dx$
- $\int \frac{e^x}{(e^x+1)(e^x-2)} dx$