**Opgave 1**

Prøv at faktoriser følgende andengradsligninger

$$p\_{1}\left(x\right)=x^{2}-3x+2$$

$$p\_{2}\left(x\right)=x^{2}+8x+15$$

$$p\_{3}\left(x\right)=x^{2}-4x+3$$

$$p\_{4}\left(x\right)=3x^{2}-12x+9$$

**Opgave 2**

Reducér udtrykkene

$$\frac{(x+2)(x-2)}{x+2}$$

$$\frac{x^{2}-4}{x+2}$$

$$\frac{x^{2}-4x+3}{x-1}$$

$$\frac{2x^{2}+6x-8}{x+4}$$