Polynomials
Factors and polynomials
Is (x -a) a factor of f(x)?
think about x = a
use with synthetic division
remainder = 0
Alternatively
show that f (a) = 0
Factorise a cubic
find a linear factor
use synthetic division
take bottom row of table and factorise
Sketch the graph of a polynomial
find where curves crosses x-axis
y = 0
find where curve crosses y - axis
x = 0
Differentiate
Solve dy/dx = 0 to find stationary points
Nature Table
Sketch the graph