

**Tutorial 4**

Multiple roots

1. Find a solution for

$$f(x) = x^3 - 7x^2 + 16x - 12 = 0$$

by Bairstow's method [use initial guess of  $r = s = -1.0$ ]

System of linear equations

2. Use Gauss elimination method to solve:

$$10x + 2y - z = 27$$

$$-3x - 6y + 2z = -61.5$$

$$x + y + 5z = -21.5$$