Sheet No. (6)

(1) Find the vertex, focus ends of L.R., directrix and axis then sketch the parabola:

(i) \(12y - x^2 + 2x + 35 = 0\)

(ii) \(y^2 - 8x - 8y + 8 = 0\)

(iii) \(4x^2 + 4x + 4y + 9 = 0\)

(2) Find the equation of parabola:

(i) with vertex (2,2) and focus (2,5).

(ii) with focus (2,-1) and directrix x = -4.

(iii) with focus (-2,3) and one end of L.R. (-2,0).