## Diagopines Esiowoeis

(i) 
$$y = -1 \pm ke^{-\sqrt{1+x^2}}$$

(iii) 
$$y = 1 + K \cdot e^{-x - \frac{x^3}{3}}$$

3) i) 
$$y = e^{-2x} + c. e^{-3x}$$

(i) 
$$y = e^{-\frac{1}{2}x} \left( c_1 \cos \frac{\sqrt{3}x}{2} + c_2 \sin \frac{\sqrt{3}x}{2} \right)$$

5)i) 
$$y = -e^{-3x} + 2.e^{x}$$

$$(iv)$$
  $y = e^{3x}(-cos2x + 2sin2x)$