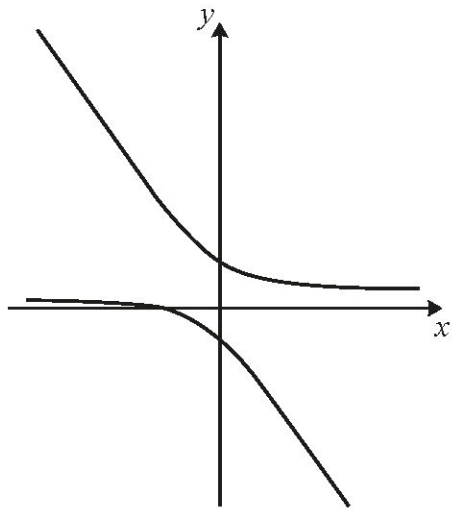


- 11 The curve in the graph below is defined implicitly by $(2x+y)(y-1) = 6$.



- (a) Show that $\frac{dy}{dx} = \frac{2(1-y)}{2y+2x-1}$. [4]
- (b) Find the equation of the normal to the curve at the point (2, 2). [3]
- (c) Show that there is **no** point on the curve at which the tangent is parallel to the x -axis. [3]