6   **Fig. 6** shows the curve with equation $y = x^4 - 6x^2 + 4x + 5$.
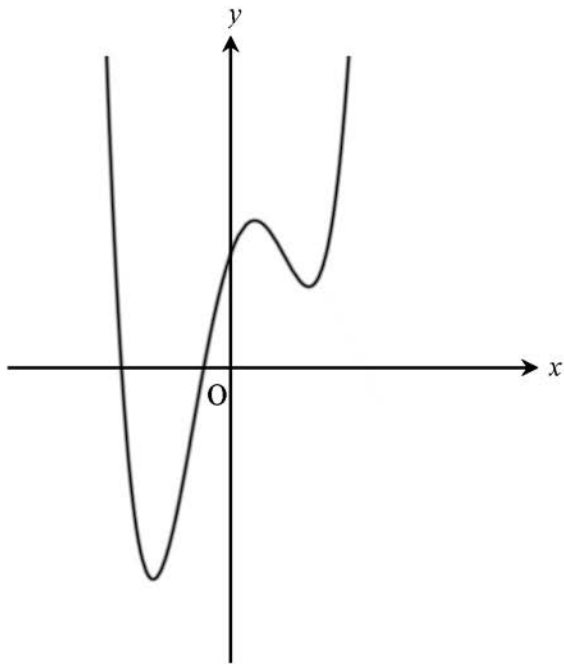

Fig. 6

Find the coordinates of the points of inflection. **[5]**