

2nd May

Corbettmaths

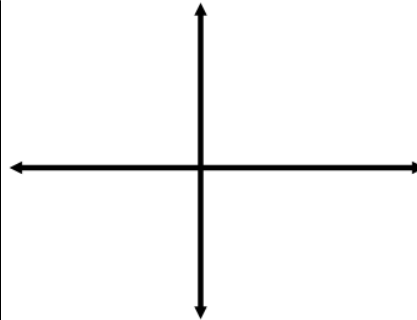
Arrange the following in order from lowest to highest

$$16^{\frac{1}{2}} \quad \left(\frac{1}{4}\right)^{-1} \quad 4^0 \quad (-1)^6$$

Factorise completely $x^3 - 6x^2 + 8x$

Sketch $y = x^3 - 6x^2 + 8x$

Showing the coordinates of the points where the curve meets the axes.



The curve $y = x^3 - 6x^2 + 8x$ meets the positive x-axis at the points A and B.

Find the equation of the tangents at these points.

Find the point C, where the tangents at A and B intersect.