
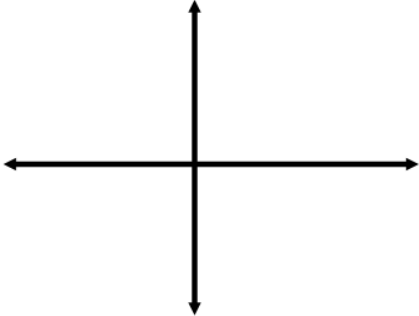


4th May	
Evaluate $\left(\frac{8x^6}{27y^3}\right)^{-\frac{2}{3}}$	 Corbettm0ths
A sequence is defined by the recurrence relation $U_{n+1} = a - \frac{U_n}{4}$ where $U_1 = 24$	Given $U_2 = 42$ Find a
Sketch the graph $y = (x + 2)(2x + 1)$	
Express $x^2 - 6x + 31$ in the form $(x - a)^2 + b$	
State the coordinates of the vertex of the curve $y = x^2 - 6x + 31$	