## FINDING EQUATIONS OF GRAPHS.

Hints:

(a) See where graph crosses x axis. eg at 2 and 4 so basis is y = a(x-2)(x-4)(b) See where graph crosses y axis to work out the value of a



Crosses x axis at 2 and 4 so equ is of the form y = a (x - 2)(x - 4). Crosses y axis at 4 so subs x = 0, y = 4 to find the constant a. 4 = a (0 - 2)(0 - 4)4 = 8a $a = \frac{1}{2}$ Equation is  $y = \frac{1}{2}(x - 2)(x - 4)$  $OR y = \frac{(x - 2)(x - 4)}{2}$ 









