1) Work out  $(5 \times 10^4) \times (3 \times 10^2)$ , giving your answer in standard form



2) Factorise  $x^2 - 100$ 

3) Find the equation of the straight line passing through the points (0, -3) and (1,0)

4) If 210g of flour are needed to make 12 cakes, how much flour will be needed for 15 cakes?

5) Factorise  $x^2 - 9x + 20$