Dipshitmaths

O-LEVEL
MATHEMATICS
PROBLEM SET-WEEK 0

1. Simplify $\frac{4p^2r}{3} \div \frac{2r^3}{p}$

2. $a = \frac{3b+4c}{5-b}$

   (a) Evaluate a when $b = 6$ and $c = -2$

   (b) Express b in terms of a and c

3. (a) Express $9 - 7x + x^2$ in the form $p + (q + x)^2$

   (b) Write down the coordinates of the minimum point of the graph of $9 - 7x + x^2$

4. Solve $\frac{1}{x-3} + \frac{6}{x-1} = 2$