PMT

4 (i) Solve the equation $16\log_r 4 = \log_4 r$

(2)

(ii) Solve the equation $\log_5 9 + \log_5 12 + \log_5 15 + \log_5 18 = 1 + \log_5 x + \log_5 x^2$

(5)

P 6 2 2 8 5 A 0 8 3 2

Question 4 continued

(Total for Question 4 is 7 marks)