AS Final Exam : Revision 1 Quadratics

P1 Nov 08

1 Determine the set of values of the constant k for which the line $y = 4x + k$ does not intersect the curve $y = x^2$. [3]

P1 June 07

1 Find the value of the constant c for which the line $y = 2x + c$ is a tangent to the curve $y^2 = 4x$. [4]

4 Find the real roots of the equation $\frac{18}{x^4} + \frac{1}{x^2} = 4$. [4]

P1 Nov 07

1 Determine the set of values of the constant k for which the line $y = 4x + k$ does not intersect the curve $y = x^2$. [3]

P1 Nov 03

1 Find the coordinates of the points of intersection of the line $y + 2x = 11$ and the curve $xy = 12$. [4]

P1 June 02

1 The line $x + 2y = 9$ intersects the curve $xy + 18 = 0$ at the points A and B. Find the coordinates of A and B. [4]