



Algebra

Maths Past Exam Questions

Higher Level

2013

Paper 1 – Project Maths – Section A – Q2

Question 2

(25 marks)

(a) Find the set of all real values of x for which $2x^2 + x - 15 \geq 0$.

(b) Solve the simultaneous equations;

$$x + y + z = 16$$

$$\frac{5}{2}x + y + 10z = 40$$

$$2x + \frac{1}{2}y + 4z = 21.$$

2012

Paper 1 – Project Maths – Section A – Q1

(a) Solve the simultaneous equations:

$$a^2 - ab + b^2 = 3$$

$$a + 2b + 1 = 0$$

(b) Find the set of all real values of x for which $\frac{2x-5}{x-3} \leq \frac{5}{2}$.