



Algebra Equations

Past Exam Questions

Maths - Ordinary Level

Q4 2013 Sample

Question 4

(25 marks)

- (a) Solve the equation $x^2 - 6x - 23 = 0$, giving your answer in the form $a \pm b\sqrt{2}$, where $a, b \in \mathbb{Z}$.

- (b) Solve the simultaneous equations

$$2r - s = 10$$

$$rs - s^2 = 12$$

Q4 2012 Sample

Question 4

(25 marks)

- (a) Solve the equation $x^2 - 6x - 23 = 0$, giving your answer in the form $a \pm b\sqrt{2}$, where $a, b \in \mathbb{Z}$.

- (b) Solve the simultaneous equations

$$2r - s = 10$$

$$rs - s^2 = 12$$

Question 4**(25 marks)**

- (a) Solve the equation $\frac{1}{2}(7x-2)+5=2x+7$.

- (b) Solve the equation $\frac{2}{3x-4} - \frac{1}{2x+1} = \frac{1}{2}$ and give your answers correct to one decimal place.