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## **PURE MATH**

## **ALGEBRA AND FUNCTION**

Level & Board	EDEXCEL (A-LEVEL)
TOPIC:	SIMULTANEOUS
PAPER TYPE:	QUESTION PAPER 3
TOTAL QUESTIONS	8
TOTAL MARKS	38

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## **Questions**

**Q1.** 

Solve the equations y = 2x and y = x + 10

**(3)** 

S(Total for question = 3 marks)

Q2.

Solve the simultaneous equation:

$$5x - 2y = 31$$

$$4x + 3y = 11$$

**(4)** 

**Q3.** 

Solve the simultaneous equations

$$7x - 2y = 45$$

$$5x + y = 37$$

**(4)** 

(Total for question = 4 marks)

**Q4.** 

Solve the simultaneous equation by elimination method.

$$x - 2y = 8$$
$$2x + y = 5$$

$$2x + y = 5$$

**(5)** 

**Q5.** 

Solve the equations.

$$x + 2y = -4$$

$$2x + 5y = 1$$

**(5)** 

(Total for question = 5 marks)

**Q6.** 

Solve simultaneous equation.

$$2x + y = 5$$

$$x + 3y = 5$$

**(5)** 

**Q7.** 

Solve the simultaneous equation

$$3x + y = 18$$

$$4x + 2y = 21$$

**(5)** 

(Total for question = 5 marks)

**Q8.** 

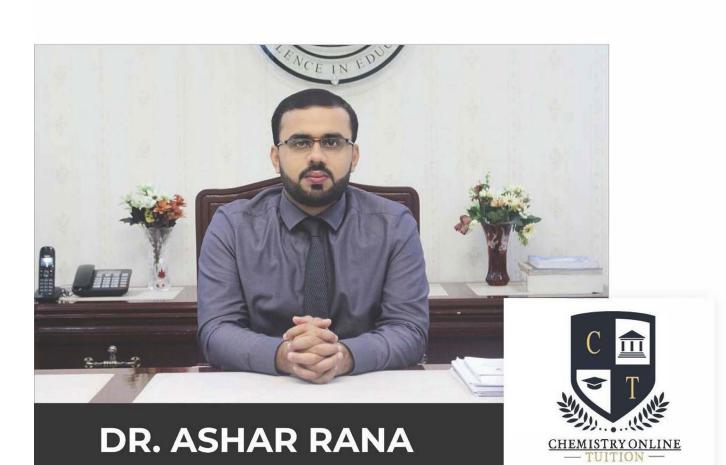
Solve the simultaneous equation:

$$x + y = 7$$

$$x + 2y = 11$$

**(5)** 

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