

## CHEMISTRY ONLINE



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## PURE MATH

## ALGEBRA AND FUNCTION

Level \& Board EDEXCEL (A-LEVEL)

TOPIC: SIMULTANEOUS

PAPER TYPE:
QUESTION PAPER 4

8

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## Questions

Q1.
Solve the simultaneous equation by substitution method.

$$
\begin{aligned}
& 2 x+y=10 \\
& -x+y=1
\end{aligned}
$$

(3)
$\mathbf{S}$ (Total for question = $\mathbf{3}$ marks)

Q2.
Solve the simultaneous equation by substitution method.

$$
\begin{aligned}
& x-y=3 \\
& 2 x+5 y=1
\end{aligned}
$$

Q3.
Solve simultaneous equation

$$
\begin{align*}
& 5 x+3 y=1 \\
& 3 x+5 y=2 \tag{4}
\end{align*}
$$

(Total for question = 4 marks)

Q4.
Solve the simultaneous equation.

$$
\begin{gathered}
3 m+5 p=1 \\
-m+p=2
\end{gathered}
$$

Q5.
Solve the simultaneous equation

$$
\begin{aligned}
& 3 x+y=50 \\
& x-y=20
\end{aligned}
$$

(5)
(Total for question = 5 marks)

Q6.
Solve the simultaneous equation

$$
\begin{aligned}
& x+y=3 \\
& x-y=1
\end{aligned}
$$

Q7.
Solve the simultaneous equation.

$$
\begin{aligned}
& 3 x+y=5 \\
& x-y=2
\end{aligned}
$$

## Q8.

Solve the simultaneous equation

$$
\begin{align*}
& m+p=20 \\
& 2 p-m=10 \tag{5}
\end{align*}
$$



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## CONTACT INFORMATION FOR

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