



## SIMULTANEOUS EQUATIONS

### LINEAR

Ref: G242. **1R1**

<b>A1</b> Solve $x + y = 1$ $x - y = 5$	<b>A2</b> Solve $5x + y = 17$ $x + y = 3$	<b>A3</b> Solve $6x - 5y = 9$ $6x + 3y = 33$	<b>A4</b> Solve $x + 5y = -13$ $4x - 5y = 48$
<b>B1</b> Solve $8x - y = 7$ $12x - 8y = 6$	<b>B2</b> Solve $3x - 2y = 13$ $x - y = 5$	<b>B3</b> Solve $2x - 3y = 3$ $3x + 6y = 1$	<b>B4</b> Solve $3x + 5y = 7$ $9x + 11y = 13$
<b>C1</b> Solve $5x + 3y = 14$ $2x + 2y = 4$	<b>C2</b> Solve $4x + 5y = 13$ $3x - 2y = 27$	<b>C3</b> Solve $2x + 7y = 12$ $3x + 8y = 13$	<b>C4</b> Solve $3x + 2y = 7$ $4x - 3y = 15$
<b>D1</b> Solve $y = 4x - 8$ $y = 3x - 5$	<b>D2</b> Solve $y = 4x - 2$ $y = 9x - 12$	<b>D3</b> Solve $3x + 2y = 61$ $y = 2x - 22$	<b>D4</b> Solve $3x - 2y = -24$ $y = 5 - 2x$



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### LINEAR

Ref: G242. **1R1**

<p><b>A1</b> Solve</p> $\begin{aligned}x + y &= 1 \\x - y &= 5\end{aligned}$ <p style="text-align: right;"><math>x = 3, y = -2</math></p>	<p><b>A2</b> Solve</p> $\begin{aligned}5x + y &= 17 \\x + y &= 3\end{aligned}$ <p style="text-align: right;"><math>x = 3.5, y = -0.5</math></p>	<p><b>A3</b> Solve</p> $\begin{aligned}6x - 5y &= 9 \\6x + 3y &= 33\end{aligned}$ <p style="text-align: right;"><math>x = 4, y = 3</math></p>	<p><b>A4</b> Solve</p> $\begin{aligned}x + 5y &= -13 \\4x - 5y &= 48\end{aligned}$ <p style="text-align: right;"><math>x = 7, y = -4</math></p>
<p><b>B1</b> Solve</p> $\begin{aligned}8x - y &= 7 \\12x - 8y &= 6\end{aligned}$ <p style="text-align: right;"><math>x = \frac{25}{26}, y = \frac{9}{13}</math></p>	<p><b>B2</b> Solve</p> $\begin{aligned}3x - 2y &= 13 \\x - y &= 5\end{aligned}$ <p style="text-align: right;"><math>x = 3, y = -2</math></p>	<p><b>B3</b> Solve</p> $\begin{aligned}2x - 3y &= 3 \\3x + 6y &= 1\end{aligned}$ <p style="text-align: right;"><math>x = 1, y = -\frac{1}{3}</math></p>	<p><b>B4</b> Solve</p> $\begin{aligned}3x + 5y &= 7 \\9x + 11y &= 13\end{aligned}$ <p style="text-align: right;"><math>x = -1, y = 2</math></p>
<p><b>C1</b> Solve</p> $\begin{aligned}5x + 3y &= 14 \\2x + 2y &= 4\end{aligned}$ <p style="text-align: right;"><math>x = 4, y = -2</math></p>	<p><b>C2</b> Solve</p> $\begin{aligned}4x + 5y &= 13 \\3x - 2y &= 27\end{aligned}$ <p style="text-align: right;"><math>x = 7, y = -3</math></p>	<p><b>C3</b> Solve</p> $\begin{aligned}2x + 7y &= 12 \\3x + 8y &= 13\end{aligned}$ <p style="text-align: right;"><math>x = -1, y = 2</math></p>	<p><b>C4</b> Solve</p> $\begin{aligned}3x + 2y &= 7 \\4x - 3y &= 15\end{aligned}$ <p style="text-align: right;"><math>x = 3, y = -1</math></p>
<p><b>D1</b> Solve</p> $\begin{aligned}y &= 4x - 8 \\y &= 3x - 5\end{aligned}$ <p style="text-align: right;"><math>x = 3, y = 4</math></p>	<p><b>D2</b> Solve</p> $\begin{aligned}y &= 4x - 2 \\y &= 9x - 12\end{aligned}$ <p style="text-align: right;"><math>x = 2, y = 6</math></p>	<p><b>D3</b> Solve</p> $\begin{aligned}3x + 2y &= 61 \\y &= 2x - 22\end{aligned}$ <p style="text-align: right;"><math>x = 15, y = 8</math></p>	<p><b>D4</b> Solve</p> $\begin{aligned}3x - 2y &= -24 \\y &= 5 - 2x\end{aligned}$ <p style="text-align: right;"><math>x = -2, y = 9</math></p>