

SIMULTANEOUS EQUATIONS

18. Solve the following simultaneous equations by an algebraic (not graphical) method.
Show all your working.

$$2x + 3y = 4$$

$$3x + 4y = 8$$

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21. Solve the following simultaneous equations by an algebraic (not graphical) method.
Show all your working.

$$4x + 2y = 17$$

$$5x + 3y = 23$$

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18. Solve the simultaneous equations below by an algebraic (not graphical) method. Show all your working.

$$3x + 4y = -6$$

$$5x + 3y = 1$$

[4]

20. Solve the following simultaneous equations by an algebraic (not graphical) method. Show all your working.

$$5x + 2y = 10$$

$$2x + 3y = -7$$

[4]

11. Solve the following simultaneous equations by an algebraic (not graphical) method.

Show all your working.

$$\begin{aligned}3x + 4y &= 1 \\5x - 4y &= 23\end{aligned}$$

[3]

21. Solve the following simultaneous equations by an algebraic (not graphical) method.

$$\begin{aligned}3x - 2y &= 16 \\x + 3y &= -2\end{aligned}$$

[4]

19. Solve the following simultaneous equations by an algebraic (not graphical) method.
Show all your working.

$$\begin{aligned} 3x - 4y &= 22 \\ 2x + 3y &= -8 \end{aligned}$$

[4]

24. Solve the following simultaneous equations by an algebraic (not graphical) method.
Show all your working.

$$\begin{aligned} 4x - 3y &= 9 \\ 6x - 5y &= 5 \end{aligned}$$

[4]