Name:

Level 2 Further Maths

Quadratic Formula

Ensure you have: Pencil or pen

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Revision for this topic

www.corbettmaths.com/more/further-maths/
1. Solve \( x^2 - 4x + 2 = 0 \)

Give your answers to 1 decimal place.

2. Solve \( x^2 - x - 11 = 0 \)

Give your answers to 1 decimal place.
3. Solve $4x^2 + 8x + 3 = 0$

   Give your answers to 1 decimal place.

4. Solve $3x^2 - 23x - 67 = 0$

   Give your answers to 1 decimal place.
5. Solve $2x^2 = 9x + 40$

Give your answers to 1 decimal place.

6. Solve $4x^2 - 9 = 2x^2 + 4x$

Give your answers to 1 decimal place.
7. A rectangular field is 30m longer than it is wide. The area of the field is 5000m²
Calculate the length of the field.

8. Below is a right angled triangle.

Find the possible values of x.

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9. Below is a right angled triangle.

\[ \begin{align*}
2x + 3 & \quad 5x + 1 \\
2x + 4 &
\end{align*} \]

Find the possible values of \( x \).