

Name: _____

Level 2 Further Maths

Quadratic Formula



Corbettmaths

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)

2. Solve $x^2 - x - 11 = 0$

Give your answers to 1 decimal place.

.....
(2)

3. Solve $4x^2 + 8x + 3 = 0$

Give your answers to 1 decimal place.

.....
(2)

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

Give your answers to 1 decimal place.

.....
(2)

5. Solve $2x^2 = 9x + 40$

Give your answers to 1 decimal place.

.....
(2)

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

Give your answers to 1 decimal place.

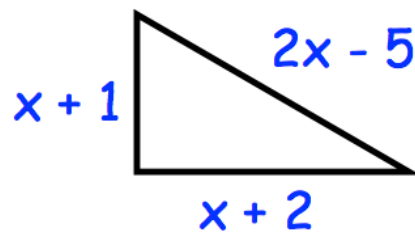
.....
(2)

7. A rectangular field is 30m longer than it is wide.
The area of the field is 5000m^2

Calculate the length of the field.

.....m
(3)

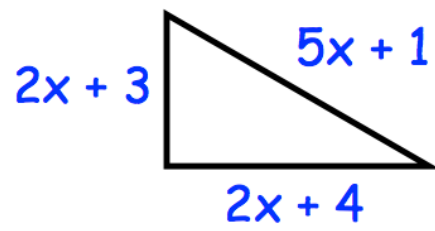
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8. Below is a right angled triangle.



Find the possible values of x .

.....
(4)

9. Below is a right angled triangle.



Find the possible values of x .

.....
(4)