QUADRATIC EQUATIONS

<\_\_\_question>

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Which of these is one of the values of *x* if , where *a = 2, b = -5* and *c = -3* ?

<\_block>

[A] *x =*

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

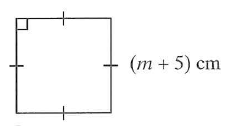
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[D]

<\_\_\_question>

Type=1

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A square has a side length of *(m + 5) cm*. Which of these is the area of the square ? 

<\_block>

[A] *(4m + 20) cm²*

<\_block>

[B]

<\_block>

[C] *(m² + 5m + 25) cm²*

<\_block>

[D] *(m² + 10m + 25) cm²*

<\_block>

[D]

<\_\_\_question>

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Which of these is **not** a square number ?

<\_block>

[A] *1369*

<\_block>

[B]

<\_block>

[C] *2116*

<\_block>

[D] *3364*

<\_block>

[B]

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If *y = x²* and y = *2x + 1,* which of these is a correct equation ?

<\_block>

[A] *x² - 2x -1 = 0*

<\_block>

[B]

<\_block>

[C] *x² + 2x – 1 = 0*

<\_block>

[D] *x² + 2x + 1 = 0*

<\_block>

[A]

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Which of these is a factor of both *x²* and *4x* ?

<\_block>

[A] *2x*

<\_block>

[B]

<\_block>

[C] *x*

<\_block>

[D] *4x*

<\_block>

[C]

<\_\_\_question>

Type=1

<\_block>

Solve = ?

<\_block>

[A] *y = 3 or 2*

<\_block>

[B]

<\_block>

[C] *y = -3 or 2*

<\_block>

[D] *y = -3 or -2*

<\_block>

[C]

<\_\_\_question>

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Emma correctly used the quadratic formula to solve *3x ² = 7x* *+ 4*. Which of these is one of the lines of her solution ?

<\_block>

[A]

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[D]

<\_\_\_question>

Type=1

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Which of these quadratic equations has **no** real solutions  *?*

<\_block>

[A]

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[D]

<\_\_\_question>

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Which of these is , correct to three significant figures *?*

<\_block>

[A]

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[A]

<\_\_\_question>

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Solve the equation *2b² = 7* ?

<\_block>

[A]

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[B]