**Solving Quadratic Equations**

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| Solve each of the following quadratic equations using an appropriate method. For non-integer solutions, give answers to 3sf. | | | | |
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| Find a quadratic equation that satisfies each of the following conditions. Can you generalise? | | | | |
| There are two integer solutions, one positive and one negative. | There are two solutions, but the equation cannot be solved by factorising. | There are two solutions and one of them is zero. | There are two fractional solutions, where one is twice the other. | The equation cannot be solved by any method (I know so far…) |