Solving Quadratic Equations

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| 1. You cannot solve a quadratic equation unless it is equal to zero. For the following you must rearrange the equations first and then solve:   Example:  X2 + 2x – 7 = 8   1. Right side must be equal to 0, therefore we take away the 8 from both sides leaving us:   X2 + 2x – 15= 0   1. Then factorise:   Multiplies to make – 15 and adds to make +2 …. +5 and -3  (x+5)(x-3)=0   1. Either   X+5=0 …. X=-5  OR  x-3=0 … x= 3 | | |
| a) | b) | c) |
| d) | e) | f) |
| g) | h) | i) |
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