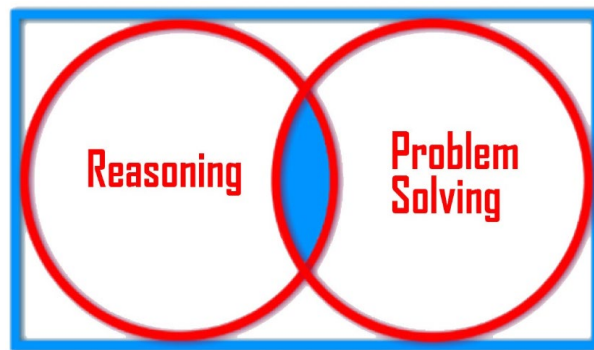


# Bridging the Gap

## GCSE to A – Level Transition



[fluidmaths.co.uk](http://fluidmaths.co.uk)

## Quadratic Equations and Inequalities





**3**

a) Given that  $6x^2 - 11x - 35 \equiv (3x + C)(2x + D)$

find the values of C and D

b) Hence or otherwise solve the equation  $(3x + C)(2x + D) = 0$

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**4**

Write the following equations in the form  $(x + p)^2 + q = 0$

Where  $p$  and  $q$  are constants.

Hence find the exact solutions to each equation

a)  $x^2 + 8x - 10 = 0$

b)  $5x^2 + 11x - 3 = 0$

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