


Maths Notes

Strand: 4 Chapter/Topic: Algebra 2

Key words: Quadratic Equation, Discriminant, nature of roots, Linear/Quad-Simultaneous Equ.




Question type: Solve? Nature of roots - real/imaginary? Solve Simultaneous Eqs with Linear and Quadratic

2.1 Remember...  
 $f(x) = ax^2 + bx + c = 0$   
 $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$   
 OR FACTORISE!



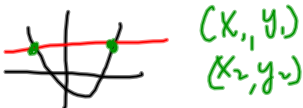
2.2 Remember...  
 $\Delta = \text{Discriminant}$   
 $\Delta = b^2 - 4ac$

$\Delta > 0$	$\Delta < 0$	$\Delta = 0$
2 real	2 imag.	2 real eq

2.3 Remember... : LINEAR/QUADRATIC SOLVE

STEPS (1) Rewrite linear  $x=y$   
 (2) Sub into quad & solve  
 (3) Sub ans. into linear in (1)



Remember...



Remember...



Remember...

