

Using the Discriminant $b^2 - 4ac$

Choose from the drop down menu whether the following equations have

- a) 2 real distinct roots
- b) 1 real, repeated root
- c) no real roots

$x^2 + 3x + 2$	
$x^2 + x + 2$	
$x^2 + 10x + 25$	
$x^2 - 3x + 2$	
$x^2 - 4x - 5$	
$x^2 - 2x + 1$	
$2x^2 + 5x + 2$	
$3x^2 - 4x + 1$	