



Quadratic Discriminants - Count of Roots to Greater/Lesser than Zero

1 If a quadratic function has these roots, what is true about its discriminant?

A	B	C
$\Delta < 0$	$\Delta = 0$	$\Delta > 0$

1 real root

2 If a quadratic function has these roots, what is true about its discriminant?

2 complex roots

A	B	C
$\Delta < 0$	$\Delta = 0$	$\Delta > 0$

3 If a quadratic function has these roots, what is true about its discriminant?

2 real roots

A	B	C
$\Delta < 0$	$\Delta = 0$	$\Delta > 0$