

RJEŠENJA KVADRATNE JEDNADŽBE

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Broj rješenja kvadratne jednadžbe ovisi o diskriminanti.

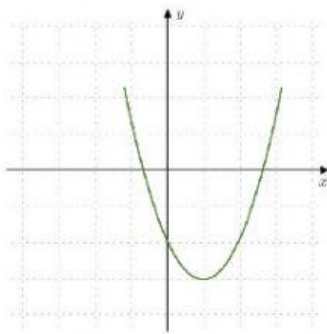
$$D = b^2 - 4ac$$

$D > 0 \Rightarrow$ jednadžba ima dva (različita) realna rješenja

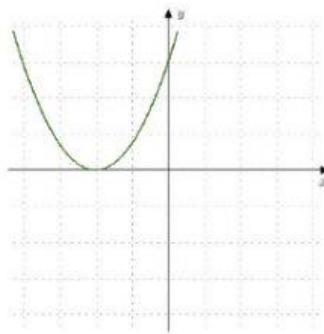
$D = 0 \Rightarrow$ jednadžba ima jedno (dvostruko) realno rješenje

$D < 0 \Rightarrow$ jednadžba nema realnih rješenja; ona su konjugirano – kompleksna

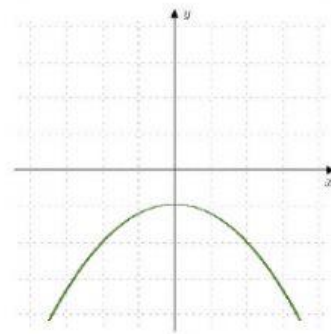
KVADRATNA JEDNADŽBA	BROJ REALNIH RJEŠENJA			SKUP KOJEMU PRIPADAJU RJEŠENJA		
$x^2 + 6x + 4 = 0$	0	1	2	Q	I	C
$9k^2 + 11k + 4 = 0$	0	1	2	Q	I	C
$4r^2 + 4r + 1 = 0$	0	1	2	Q	I	C
$9x^2 + 5 = 0$	0	1	2	Q	I	C
$5t - 4t^2 = 2$	0	1	2	Q	I	C
$3y^2 = 4y$	0	1	2	Q	I	C



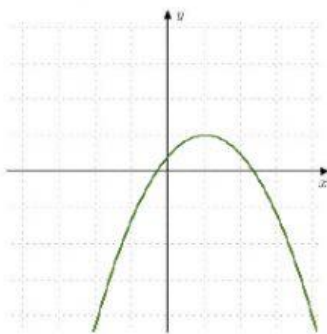
$D < 0$ $D = 0$ $D > 0$



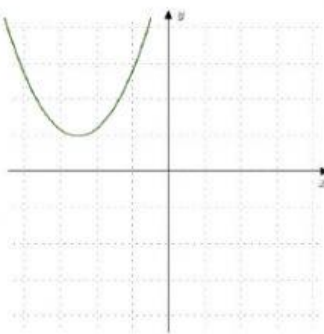
$D < 0$ $D = 0$ $D > 0$



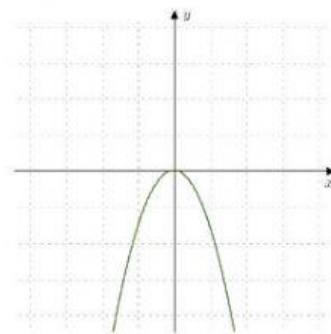
$D < 0$ $D = 0$ $D > 0$



$D < 0$ $D = 0$ $D > 0$



$D < 0$ $D = 0$ $D > 0$



$D < 0$ $D = 0$ $D > 0$