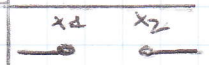
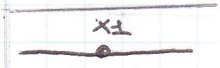
DISEQUAZIONI DI 2° GRADO

Δ	a	DISEQUAZIONE	SOLUZIONE	ESEMPIO	RISULTATO	
>0	>0	$ax^2+bx+c\geq 0$	$x\leq x_1 \vee x\geq x_2$	$x^2-1\geq 0$	$x\leq -1 \vee x\geq 1$	
		$ax^2+bx+c>0$	$x<x_1 \vee x>x_1$	$x^2-1>0$	$x<-1 \vee x>1$	
		$ax^2+bx+c\leq 0$	$x_1\leq x\leq x_2$	$x^2-1\leq 0$	$-1\leq x\leq 1$	
		$ax^2+bx+c<0$	$x_1<x<x_2$	$x^2-1<0$	$-1<x<1$	
	<0	$ax^2+bx+c\geq 0$	$x_1\leq x\leq x_2$	$-x^2+1\geq 0$	$-1\leq x\leq 1$	
		$ax^2+bx+c>0$	$x_1<x<x_2$	$-x^2+1>0$	$-1<x<1$	
		$ax^2+bx+c\leq 0$	$x\leq x_1 \vee x\geq x_2$	$-x^2+1\leq 0$	$x\leq -1 \vee x\geq 1$	
		$ax^2+bx+c<0$	$x<x_1 \vee x>x_2$	$-x^2+1<0$	$x<-1 \vee x>1$	
$=0$	>0	$ax^2+bx+c\geq 0$	$\forall x\in\mathbb{R}$	$x^2+2x+1\geq 0$	$\forall x\in\mathbb{R}$	
		$ax^2+bx+c>0$	$x\neq x_1$	$x^2+2x+1>0$	$x\neq -1$	
		$ax^2+bx+c\leq 0$	$x=x_1$	$x^2+2x+1\leq 0$	$x=-1$	
		$ax^2+bx+c<0$	$\nexists x\in\mathbb{R}$	$x^2+2x+1<0$	$\nexists x\in\mathbb{R}$	
	<0	$ax^2+bx+c\geq 0$	$x=x_1$	$-x^2-2x-1\geq 0$	$x=-1$	
		$ax^2+bx+c>0$	$\nexists x\in\mathbb{R}$	$-x^2-2x-1>0$	$\nexists x\in\mathbb{R}$	
		$ax^2+bx+c\leq 0$	$\forall x\in\mathbb{R}$	$-x^2-2x-1\leq 0$	$\forall x\in\mathbb{R}$	
		$ax^2+bx+c<0$	$x\neq x_1$	$-x^2-2x-1<0$	$x\neq -1$	
<0	>0	$ax^2+bx+c\geq 0$	$\forall x\in\mathbb{R}$	$x^2+1\geq 0$	$\forall x\in\mathbb{R}$	
		$ax^2+bx+c>0$	$\forall x\in\mathbb{R}$	$x^2+1>0$	$\forall x\in\mathbb{R}$	
		$ax^2+bx+c\leq 0$	$\nexists x\in\mathbb{R}$	$x^2+1\leq 0$	$\nexists x\in\mathbb{R}$	
		$ax^2+bx+c<0$	$\nexists x\in\mathbb{R}$	$x^2+1<0$	$\nexists x\in\mathbb{R}$	
	<0	$ax^2+bx+c\geq 0$	$\nexists x\in\mathbb{R}$	$-x^2-1\geq 0$	$\nexists x\in\mathbb{R}$	
		$ax^2+bx+c>0$	$\nexists x\in\mathbb{R}$	$-x^2-1>0$	$\nexists x\in\mathbb{R}$	
		$ax^2+bx+c\leq 0$	$\forall x\in\mathbb{R}$	$-x^2-1\leq 0$	$\forall x\in\mathbb{R}$	
		$ax^2+bx+c<0$	$\forall x\in\mathbb{R}$	$-x^2-1<0$	$\forall x\in\mathbb{R}$