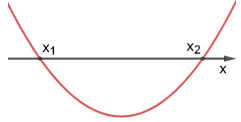
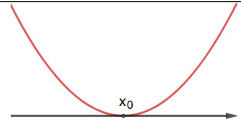
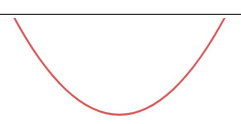
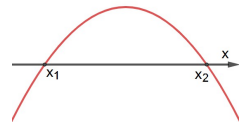
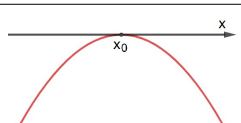
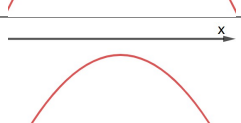


### INSIEME DELLE SOLUZIONI DI UNA DISEQUAZIONE DI II GRADO - SCHEMA RIASSUNTIVO

Caso $a > 0$	Parabola associata	$P(x) = 0$ (equazione associata)	$P(x) > 0$	$P(x) \geq 0$	$P(x) < 0$	$P(x) \leq 0$
$\Delta > 0$		$x = x_1 \vee x = x_2$ (soluzioni distinte)	$x < x_1 \vee x > x_2$ (intervalli esterni)	$x \leq x_1 \vee x \geq x_2$ (intervalli esterni)	$x_1 < x < x_2$ (intervallo interno)	$x_1 \leq x \leq x_2$ (intervallo interno)
$\Delta = 0$		$x = x_0$ (soluzione doppia)	$x \neq x_0$ (quasi indeterminata)	$\forall x \in \mathbb{R}$ (indeterminata)	$\nexists x \in \mathbb{R}$ (impossibile)	$x = x_0$ (come l'equaz. associata)
$\Delta < 0$		$\nexists x \in \mathbb{R}$ (impossibile)	$\forall x \in \mathbb{R}$ (indeterminata)	$\forall x \in \mathbb{R}$ (indeterminata)	$\nexists x \in \mathbb{R}$ (impossibile)	$\nexists x \in \mathbb{R}$ (impossibile)

Caso $a < 0$	Parabola associata	$P(x) = 0$ (equazione associata)	$P(x) > 0$	$P(x) \geq 0$	$P(x) < 0$	$P(x) \leq 0$
$\Delta > 0$		$x = x_1 \vee x = x_2$ (soluzioni distinte)	$x_1 < x < x_2$ (intervallo interno)	$x_1 \leq x \leq x_2$ (intervallo interno)	$x < x_1 \vee x > x_2$ (intervalli esterni)	$x \leq x_1 \vee x \geq x_2$ (intervalli esterni)
$\Delta = 0$		$x = x_0$ (soluzione doppia)	$\nexists x \in \mathbb{R}$ (impossibile)	$x = x_0$ (come l'equaz. associata)	$x \neq x_0$ (quasi indeterminata)	$\forall x \in \mathbb{R}$ (indeterminata)
$\Delta < 0$		$\nexists x \in \mathbb{R}$ (impossibile)	$\nexists x \in \mathbb{R}$ (impossibile)	$\nexists x \in \mathbb{R}$ (impossibile)	$\forall x \in \mathbb{R}$ (indeterminata)	$\forall x \in \mathbb{R}$ (indeterminata)