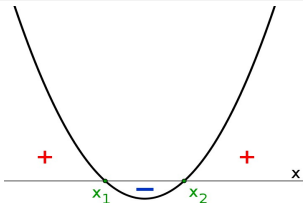
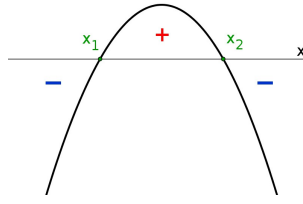
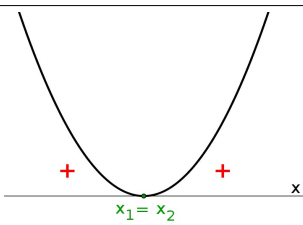
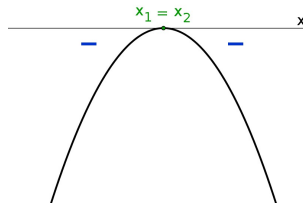
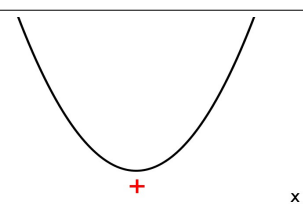
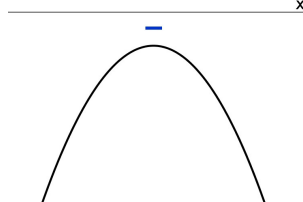


DISEQUAZIONI DI SECONDO GRADO: SCHEMA DI RISOLUZIONE

	$y = ax^2 + bx + c$, $a > 0$	$y = ax^2 + bx + c$, $a < 0$
$\Delta > 0$	 <p> $ax^2 + bx + c > 0 \rightarrow x < x_1 \vee x > x_2$ $ax^2 + bx + c < 0 \rightarrow x_1 < x < x_2$ $ax^2 + bx + c \geq 0 \rightarrow x \leq x_1 \vee x \geq x_2$ $ax^2 + bx + c \leq 0 \rightarrow x_1 \leq x \leq x_2$ </p>	 <p> $ax^2 + bx + c > 0 \rightarrow x_1 < x < x_2$ $ax^2 + bx + c < 0 \rightarrow x < x_1 \vee x > x_2$ $ax^2 + bx + c \geq 0 \rightarrow x_1 \leq x \leq x_2$ $ax^2 + bx + c \leq 0 \rightarrow x \leq x_1 \vee x \geq x_2$ </p>
$\Delta = 0$	 <p> $ax^2 + bx + c > 0 \rightarrow x \neq x_1$ $ax^2 + bx + c < 0 \rightarrow \nexists x \in \mathbb{R}$ $ax^2 + bx + c \geq 0 \rightarrow \forall x \in \mathbb{R}$ $ax^2 + bx + c \leq 0 \rightarrow x = x_1$ </p>	 <p> $ax^2 + bx + c > 0 \rightarrow \nexists x \in \mathbb{R}$ $ax^2 + bx + c < 0 \rightarrow x \neq x_1$ $ax^2 + bx + c \geq 0 \rightarrow x = x_1$ $ax^2 + bx + c \leq 0 \rightarrow \forall x \in \mathbb{R}$ </p>
$\Delta < 0$	 <p> $ax^2 + bx + c > 0 \rightarrow \forall x \in \mathbb{R}$ $ax^2 + bx + c < 0 \rightarrow \nexists x \in \mathbb{R}$ $ax^2 + bx + c \geq 0 \rightarrow \forall x \in \mathbb{R}$ $ax^2 + bx + c \leq 0 \rightarrow \nexists x \in \mathbb{R}$ </p>	 <p> $ax^2 + bx + c > 0 \rightarrow \nexists x \in \mathbb{R}$ $ax^2 + bx + c < 0 \rightarrow \forall x \in \mathbb{R}$ $ax^2 + bx + c \geq 0 \rightarrow \nexists x \in \mathbb{R}$ $ax^2 + bx + c \leq 0 \rightarrow \forall x \in \mathbb{R}$ </p>