

$$\sqrt[n]{A(x)} \geq B(x)$$

$$\sqrt{x-1} \geq 3x-2$$

$$\begin{cases} x-1 \geq 0 \\ 3x-2 < 0 \end{cases} \vee \begin{cases} 3x-2 \geq 0 \\ x-1 \geq (3x-2)^2 \end{cases}$$

$$\sqrt{x-1} < \underline{3x-2}$$

$$\begin{cases} x-1 \geq 0 \\ 3x-2 \geq \underline{0} \\ x-1 < \underline{(3x-2)^2} \end{cases}$$

COMPITO:

• PAG 65 547 - 557

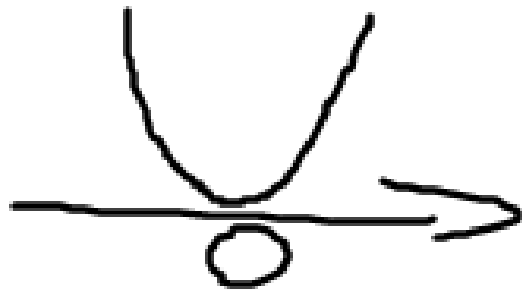
• $\sqrt{x^2 - 3x} = 0$

$$\sqrt{x^2 - 3x} = 2$$

$$\sqrt{x^2 - 3x} = -2$$

$$x^2 \leq 0$$

$$x=0$$



$$\sqrt{x^2 - 3x} = 0 \quad CE:$$

$$x=0 \vee x=3$$

ACC. ACC.

$$x \leq 0 \vee x \geq 3$$

$$\sqrt{x^2 - 3x} = 2 \quad \text{CE} \quad x \leq 0 \vee x \geq 3$$

$$(\sqrt{x^2 - 3x})^2 = 4$$

$$x^2 - 3x - 4 = 0$$

$$x = 4 \vee x = -1 \quad \text{ACC.}$$

$$\sqrt{x^2 - 3x} = -2 \quad \nexists x \in \mathbb{R}$$

COMPTO

$$\sqrt{x^2 - 3x} > 0$$

$$\sqrt{x^2 - 3x} \geq 0$$

$$\sqrt{x^2 - 3x} < 0$$

$$\sqrt{x^2 - 3x} \leq 0$$

$$\sqrt{x^2 - 3x} > 0$$

$$CE \quad x \leq 0 \vee x \geq 3$$

~~$$S: \mathbb{R} \setminus \{0, 3\}$$~~

$$S: x < 0 \vee x > 3$$

$$\sqrt{x^2 - 3x} \geq 0$$

$$x \leq 0 \vee x \geq 3$$

$$S: x \leq 0 \vee x \geq 3$$

$$\sqrt{x^2 - 3x} < 0$$

$$\nexists x \in \mathbb{R}$$

$$\sqrt{x^2 - 3x} \leq 0$$

$$CE: x \leq 0 \vee x \geq 3$$

$$S: x = 0 \vee x = 3$$

COMPITO

$$\sqrt{x^2 - 3x} > 2$$

$$\sqrt{x^2 - 3x} \geq 2$$

$$\sqrt{x^2 - 3x} < 2$$

$$\sqrt{x^2 - 3x} \leq 2$$

$$\sqrt{x^2 - 3x} > -7$$

$$\sqrt{x^2 - 3x} \geq -7$$

$$\sqrt{x^2 - 3x} < -7$$

$$\sqrt{x^2 - 3x} \leq -7$$

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dal pag 67 592 - 593
603 - 604

FINIRE COMPITO

STUD. BENE APPUNTI
INTERROGO