

$$\begin{array}{|c|} \hline 0 \\ \hline 0 \\ \hline \end{array}$$

LIMITE CE SE REZOLVĂ  
PRIN AMPLIFICARE CU  
CONJUGAT (ORDIN II)

Calculați:

$$1) \lim_{x \rightarrow 2} \frac{\sqrt{x-1} - 1}{x^2 - 4}$$

$$2) \lim_{x \rightarrow 0} \frac{\sqrt{x+2} - \sqrt{2-x}}{\sqrt{2x+1} - \sqrt{3x+1}}$$

$$3) \lim_{x \rightarrow 1} \frac{\sqrt{2x-1} - x}{x^2 - 3x + 2}$$

$$4) \lim_{x \rightarrow 4} \frac{\sqrt{6x+1} - 5}{\sqrt{2x+1} - 3}$$

$$5) \lim_{x \rightarrow 2} \frac{\sqrt{x^2 - x} - \sqrt{2}}{x - 2}$$

$$6) \lim_{x \rightarrow 5} \frac{2 - \sqrt{x-1}}{x^2 - 25}$$

$$7) \lim_{x \rightarrow 5} \frac{\sqrt{x^2 - 4x + 11} - 4}{x^2 - 7x + 10}$$

$$8) \lim_{x \rightarrow 2} \frac{\sqrt{x^2 + 5} - \sqrt{x^2 + 4x - 3}}{x^2 - 2x}$$

$$9) \lim_{x \rightarrow 4} \frac{3 - \sqrt{5+x}}{\sqrt{x} - 2}$$

$$10) \lim_{x \rightarrow 1} \frac{3 - \sqrt{x+4}}{1 - \sqrt{6-x}}$$

$$11) \lim_{x \rightarrow 1} \frac{x+1 - \sqrt{5-x}}{\sqrt{2x+7} - 3x}$$

$$12) \lim_{x \rightarrow -1} \frac{x-1 + \sqrt{x+5}}{x-1 + \sqrt{3-x}}$$

$$13) \lim_{x \rightarrow 2} \frac{x-2}{\sqrt{x-2} + x-2}$$