

1. Η άσκηση Ana-OrioShmeio-Orio0p0Pol-LA1 δεν είναι λυμένη.

2. α.

$$\lim_{x \rightarrow 1} \frac{x-1}{\sqrt{x}-1} = \lim_{x \rightarrow 1} \frac{(x-1)(\sqrt{x}+1)}{(\sqrt{x}-1)(\sqrt{x}+1)} = \lim_{x \rightarrow 1} \frac{(x-1)(\sqrt{x}+1)}{x-1} = \lim_{x \rightarrow 1} (\sqrt{x}+1) = 2$$

β.

$$\lim_{x \rightarrow 2} \frac{\sqrt{3x-2}-2}{x-2} = \lim_{x \rightarrow 2} \frac{(\sqrt{3x-2}-2)(\sqrt{3x-2}+2)}{(x-2)(\sqrt{3x-2}+2)} = \lim_{x \rightarrow 2} \frac{3x-2-4}{(x-2)(\sqrt{3x-2}+2)}$$