

$$\lim_{x \rightarrow +\infty} \left[\frac{\sqrt{2x+3} - \sqrt{x^2+1}}{x-2} \right] =$$

$$\lim_{x \rightarrow \infty} \frac{\sqrt[3]{1-8x^3}}{x+1} =$$

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

$$\lim_{x \rightarrow \infty} (\sqrt[3]{x^3 + 3x^2 + 1} - x) =$$

$$\lim_{x \rightarrow \infty} (x+1 - \sqrt{4x^2 + x + 1}) =$$

$$\lim_{x \rightarrow +\infty} (\sqrt{x} \cdot (\sqrt{x+1} - \sqrt{x})) =$$

$$\lim_{x \rightarrow -\infty} (\sqrt{x^2 + 2x + 4} + \sqrt{9x^2 - 1} - 4x) =$$

$$\lim_{x \rightarrow \infty} \left(\frac{2x^3 - x^2 - 8x + 4}{x^2 - 4} - \sqrt{4x^2 + 5x - 1} \right) =$$

$$\lim_{x \rightarrow \infty} (x \cdot (\sqrt{x^2 + 5x + 8} - \sqrt{x^2 + 5x - 4})) =$$

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