

4SSA - 2 periodo - ESERCIZI: LIMITI IMMEDIATI

$$a) \lim_{x \rightarrow 2} \frac{x-1}{3x} \quad \lim_{x \rightarrow 3} \frac{2x-6}{x+2} \quad \lim_{x \rightarrow +\infty} \frac{6x-2}{5}$$

$$b) \lim_{x \rightarrow -\infty} \frac{7x+2}{3} \quad \lim_{x \rightarrow 5} \frac{(x-5)^2}{3x} \quad \lim_{x \rightarrow -4} \frac{7x-10}{6-x}$$

$$c) \lim_{x \rightarrow 2} \frac{x+3}{(x-2)^2} \quad \lim_{x \rightarrow -5} \frac{6x+20}{(x+5)^2} \quad \lim_{x \rightarrow +\infty} \frac{6}{x-50}$$

$$d) \lim_{x \rightarrow 4} \frac{x-10}{(x-4)^2} \quad \lim_{x \rightarrow -\infty} \frac{4}{3x+10} \quad \lim_{x \rightarrow -\infty} \frac{-3}{x^3+x} =$$

$$e) \lim_{x \rightarrow 0^+} \frac{3x-9}{8x} = \quad \lim_{x \rightarrow 0^-} \frac{x+5}{x} = \quad \lim_{x \rightarrow 2^+} \frac{x+5}{x-2} =$$

$$f) \lim_{x \rightarrow 2^-} \frac{7x-18}{2-x} = \quad \lim_{x \rightarrow 4^+} \frac{5x+6}{x-4} = \quad \lim_{x \rightarrow 3^-} \frac{x^2-20}{x-3} =$$

$$g) \lim_{x \rightarrow +\infty} \frac{-3}{4e^x} \quad \lim_{x \rightarrow -\infty} \frac{3e^x-7}{8x+10} \quad \lim_{x \rightarrow -\infty} \frac{-5e^x}{x} =$$

$$h) \lim_{x \rightarrow +\infty} \frac{-7x+5}{\ln(x)} \quad \lim_{x \rightarrow -\infty} \frac{6x-13}{\ln(x)+5} \quad \lim_{x \rightarrow 0^+} \frac{x+4}{\ln(x)} =$$