

Funzioni in un intervallo limitato

Periodo 3 - UdA 1

Rappresentare graficamente le seguenti funzioni continue senza tratti orizzontali:

$$[1] \quad \lim_{x \rightarrow -\infty} f(x) = -3 \quad \lim_{x \rightarrow -2} f(x) = -4$$

$$[3] \quad \lim_{x \rightarrow 2} f(x) = 1 \quad \lim_{x \rightarrow +\infty} f(x) = +\infty$$

$$[5] \quad \lim_{x \rightarrow -5} f(x) = -\infty \quad \lim_{x \rightarrow 0} f(x) = -\infty$$

$$[7] \quad \lim_{x \rightarrow 0} f(x) = 0 \quad \lim_{x \rightarrow 3} f(x) = -\infty$$

$$[9] \quad \lim_{x \rightarrow 1} f(x) = -\infty \quad \lim_{x \rightarrow 5} f(x) = -\infty$$

$$[11] \quad \lim_{x \rightarrow -5} f(x) = -\infty \quad \lim_{x \rightarrow 0} f(x) = -\infty$$

$$[13] \quad \lim_{x \rightarrow 3} f(x) = +\infty \quad \lim_{x \rightarrow +\infty} f(x) = 0$$

$$[15] \quad \lim_{x \rightarrow -\infty} f(x) = -5 \quad f(-1) = 0$$

$$[17] \quad \lim_{x \rightarrow 0} f(x) = -\infty \quad \lim_{x \rightarrow +\infty} f(x) = -\infty$$

$$[19] \quad \lim_{x \rightarrow 2} f(x) = -3 \quad \lim_{x \rightarrow +\infty} f(x) = -1$$

$$[21] \quad f(3) = -2 \quad \lim_{x \rightarrow +\infty} f(x) = 0$$

$$[23] \quad \lim_{x \rightarrow -3} f(x) = 1 \quad \lim_{x \rightarrow -1} f(x) = 0$$

$$[25] \quad f(1) = -3 \quad f(3) = -2$$

$$[2] \quad \lim_{x \rightarrow -3} f(x) = 1 \quad \lim_{x \rightarrow 0} f(x) = 0$$

$$[4] \quad \lim_{x \rightarrow -4} f(x) = -2 \quad \lim_{x \rightarrow -2} f(x) = -\infty$$

$$[6] \quad \lim_{x \rightarrow -\infty} f(x) = 0 \quad \lim_{x \rightarrow 0} f(x) = +\infty$$

$$[8] \quad f(0) = -3 \quad f(3) = -2$$

$$[10] \quad \lim_{x \rightarrow -\infty} f(x) = -3 \quad f(-2) = 0$$

$$[12] \quad \lim_{x \rightarrow 1} f(x) = 2 \quad \lim_{x \rightarrow +\infty} f(x) = +\infty$$

$$[14] \quad \lim_{x \rightarrow -\infty} f(x) = +\infty \quad \lim_{x \rightarrow 0} f(x) = 0$$

$$[16] \quad \lim_{x \rightarrow 0} f(x) = 0 \quad \lim_{x \rightarrow 3} f(x) = +\infty$$

$$[18] \quad \lim_{x \rightarrow -5} f(x) = +\infty \quad \lim_{x \rightarrow -2} f(x) = +\infty$$

$$[20] \quad \lim_{x \rightarrow 1} f(x) = -\infty \quad \lim_{x \rightarrow +\infty} f(x) = -\infty$$

$$[22] \quad \lim_{x \rightarrow -\infty} f(x) = 0 \quad \lim_{x \rightarrow -2} f(x) = -\infty$$

$$[24] \quad \lim_{x \rightarrow -4} f(x) = 1 \quad \lim_{x \rightarrow -1} f(x) = +\infty$$

$$[26] \quad \lim_{x \rightarrow -\infty} f(x) = -5 \quad f(-1) = 0$$