

# Matemática...

$$\lim_{x \rightarrow 5} (2x - 1) = (2(5) - 1) = 10 - 1 = \underline{9}$$

$$\lim_{x \rightarrow 2} (3x + 2) = (3(2) + 2) = 6 + 2 = \underline{8}$$

$$\lim_{x \rightarrow 3} (4x + 10) = (4(3) + 10) = 12 + 10 = \underline{22}$$

$$\lim_{x \rightarrow 10} (2x - 2) = (2(10) - 2) = 20 - 2 = \underline{18}$$

$$\lim_{x \rightarrow 5} (10x - 3) = (10(5) - 3) = 50 - 3 = \underline{47}$$

$$\lim_{x \rightarrow 6} (6x + 2) = (6(6) + 2) = 36 + 2 = \underline{38}$$

$$\lim_{x \rightarrow 8} (5x - 7) = (5(8) - 7) = 40 - 7 = \underline{33}$$

$$\lim_{x \rightarrow 2} (3x + 1) = (3(2) + 1) = 6 + 1 = \underline{7}$$

$$\lim_{x \rightarrow 3} 5 = \underline{5}$$

$$\lim_{x \rightarrow -4} 2x^3 = (2(-4)^3) = 2(-64) = \underline{-128}$$

$$\lim_{x \rightarrow 9} 12 = \underline{12}$$

$$\lim_{x \rightarrow 7} 8x = (8(7)) = \underline{56}$$

$$\lim_{x \rightarrow -5} (3x + 2) = (3(-5) + 2) = -15 + 2 = \underline{-13}$$

$$\begin{aligned} \lim_{x \rightarrow 5} (2x^2 - 5 + 3) &= (2(5)^2 - 5(5) + 3) = 2(25) - 25 + 3 \\ &= 50 - 25 + 3 = \underline{28} \end{aligned}$$

$$\begin{aligned} \lim_{x \rightarrow 3} (x^3 - 2x^2 + x + 7) &= ((3)^3 - 2(3)^2 + 3 + 7) = 27 - 2(9) + 3 + 7 \\ &= 27 - 18 + 3 + 7 = 37 - 18 = \underline{19} \end{aligned}$$

$$\begin{aligned} \lim_{x \rightarrow 5} (3x^3 + 5x^2 + 2x + 10) &= (3(5)^3 + 5(5)^2 + 2(5) + 10) \\ &= 3(125) + 5(25) + 10 + 10 \\ &= 375 + 125 + 20 = \underline{520} \end{aligned}$$

$$\begin{aligned} \lim_{x \rightarrow 10} (10x^3 + 5x^2 - x + 7) &= (10(10)^3 + 5(10)^2 - 10 + 7) \\ &= 10(1000) + 5(100) - 10 + 7 \\ &= 10,000 + 500 - 10 + 7 \\ &= 10,507 - 10 = \underline{10,497} \end{aligned}$$

$$\begin{aligned} \lim_{x \rightarrow 2} (-5x^3 - 3x^2 + 2x - 8) &= (-5(2)^3 - 3(2)^2 + 2(2) - 8) \\ &= -5(8) - 3(4) + 4 - 8 = -40 - 12 + 4 - 8 \\ &= -60 + 4 = \underline{-56} \end{aligned}$$

$$\begin{aligned} \lim_{x \rightarrow 5} (x+2)(3x+10) &= (5+2)(3(5)+10) = (7)(15+10) \\ &= 7(25) = \underline{175} \end{aligned}$$

$$\begin{aligned} \lim_{x \rightarrow 3} (3x+12)(4x) &= (3(3)+12)(4(3)) = (9+12)(12) \\ &= (21)(12) = \underline{252} \end{aligned}$$