

$$\lim_{x \rightarrow 5} (2x^2 - 5x + 3)$$

$$2(5)^2 - 5(5) + 3$$

$$5 \cdot 5 = 25$$

$$2(25) - 25 + 3 = 50 - 25 + 3 = 28$$

$$\lim_{x \rightarrow 3} (x^3 - 2x^2 + x + 7)$$

$$x \rightarrow 3$$

$$3^3 - 2(3)^2 + 3 + 7$$

$$3 \cdot 3 \cdot 3 = 27$$

$$3 \cdot 3 = 9$$

$$27 - 2(9) + 3 + 7$$

$$27 - 18 + 3 + 7 = 19$$

$$\lim_{x \rightarrow 5} = 3x^3 + 5x^2 + 2x + 10$$

$$3(5^3) + 5(5)^2 + 2(5) + 10$$

$$5 \cdot 5 \cdot 5 = 125$$

$$5 \cdot 5 = 25$$

$$3(125) + 5(25) + 10 + 10$$

$$375 + 125 + 10 + 10 = 520$$

$$\lim_{x \rightarrow 10} = 10x^3 + 5x^2 - x + 7$$

$$x \rightarrow 10$$

$$10(10)^3 + 5(10)^2 - x + 7$$

$$10 \cdot 10 \cdot 10 = 1000$$

$$10 \cdot 10 = 100$$

$$10(1000) + (100) - 10 + 7 =$$

$$10000 + 100 - 10 + 7 = 10497$$

55-10-01

20/11/11

$$\lim_{x=2} (-5x^3 - 3x^2 + 2x - 8)$$

$$-5(2)^3 - 3(2)^2 + 2(2) - 8$$

$2 \cdot 2 \cdot 2 = 8$   
 $2 \cdot 2 = 4$

$$-5(8) - 3(4) + 4 - 8$$

$$-40 - 12 + 4 - 8 = -56$$

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limites

10-02-22

$$\begin{aligned}\lim_{x \rightarrow -2} (3x + 5)(2x) &= (3(-2) + 5)(2(-2)) = (-6 + 5)(-4) \\ &= (-1)(-4) = 4\end{aligned}$$

$$\begin{aligned}\lim_{x = -8} (5x^3 + 3x^2 + x + 7)(x^2 + 10) &= \\ (5(-8)^3 + 3(-8)^2 + (-8) + 7)((-8)^2 + 10) &= \\ (5(-512) + 3(64) + (-8) + 7)(64 + 10) &= \\ (-2560 + 192 - 8 + 7)(74) &= \\ (-2369)(74) &= 175306\end{aligned}$$

$$\begin{aligned}\lim_{x \rightarrow 7} (3x + 5) &= \\ (3(7) + 5) &= \\ (21 + 5) &= 26\end{aligned}$$

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