

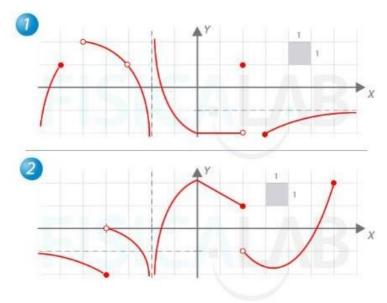


CALCULO DIFERENCIAL E INTEGRAL GR2 SEMESTRE: 2020-A

HOJA DE TRABAJO N° 2

TEMA: Propiedades de los límites, límites laterales e indeterminaciones

Las siguientes gráficas corresponden a las funciones f(x), en 1, y g(x), en 2.



FECHA DE ENTREGA: 19/12/202

1) Lim f(x) x6-	=> 1 (0)	11) Um f(x) => No existe
2) lim f(x)	=> No existe	12) LIM F(X) => -2
3) um f(x) x5-	=> No existe	13) (1m fcx) => -2
(4) Um f(x)	=> 2	14) LIM F(X) => 0
s) 11m fx1 x3	=> 1////////	(5) Um f(x1 => -d)
6) cim fext x·-31	=> 1 1	16) cim f(x) => + 00
7) Lim f(x) x-2	=> -05	17) 4m g(x) => 2
8) Lim F(x)	=> +00	18) Lim g(x) => 2 (48)
9) LIM FCX) x-0-	=> -2	19) (im g(x) => 1
10) (IM F(X)	=> -2	20) cim (g(x)-f(x)) => (2-2)=0



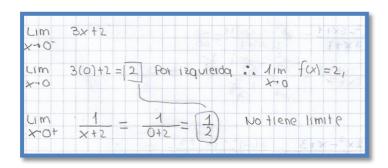


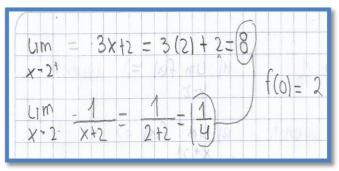
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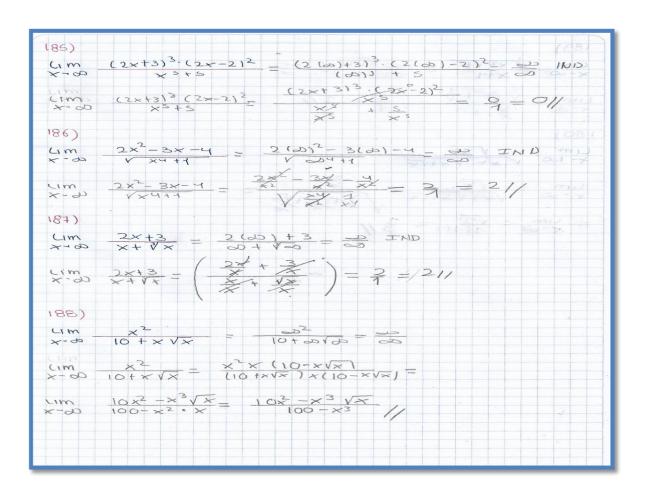
Calcule los siguientes límites laterales de manera algebraica

$$\lim_{x o 0^-} f(x) \operatorname{con} f(x) = \left\{egin{array}{ll} 3x+2 & \operatorname{si} & x < 0 \ rac{1}{x+2} & \operatorname{si} & x \geq 0 \end{array}
ight.$$

$$\lim_{x o -2^-}f(x) ext{ con } f(x) = \left\{egin{array}{ll} 3x+2 & ext{si} & x<0 \ rac{1}{x+2} & ext{si} & x\geq 0 \end{array}
ight.$$

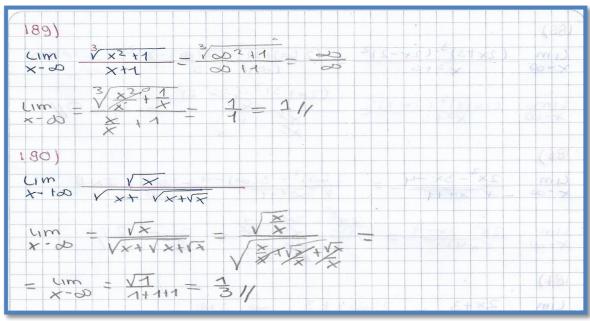


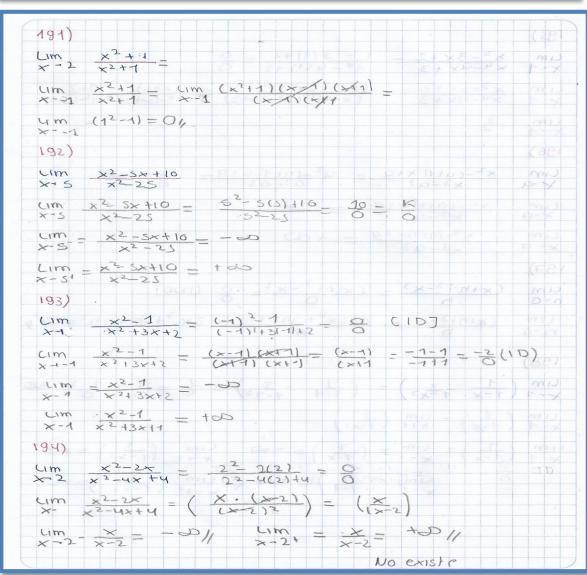












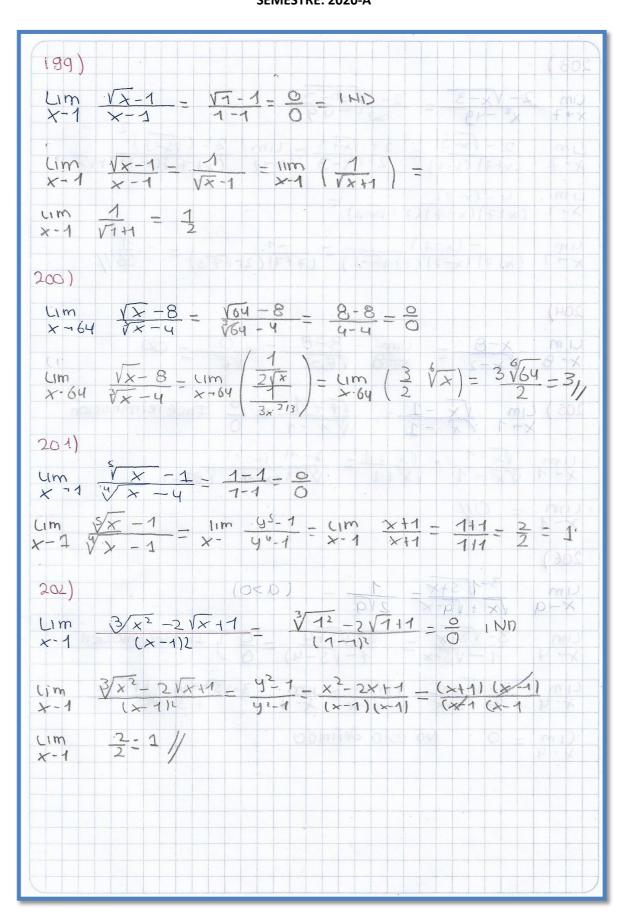




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196)																					15	01
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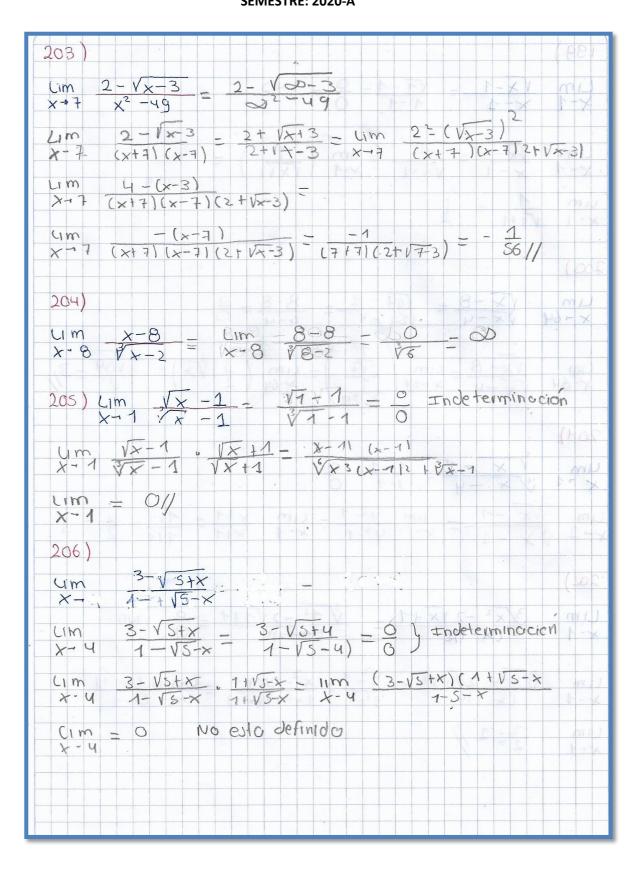






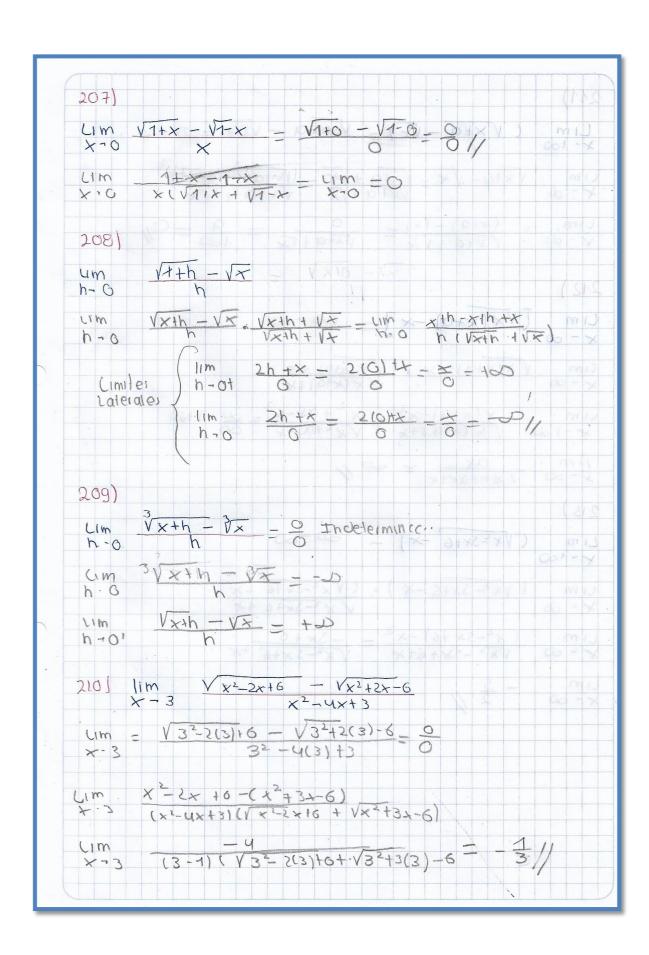
ESCUELA POLITÉCNICA NACIONAL ESCUELA DE FORMACIÓN DE TECNÓLOGOS CALCULO DIFERENCIA: 5 TOTAL DE TECNÓLOGOS















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