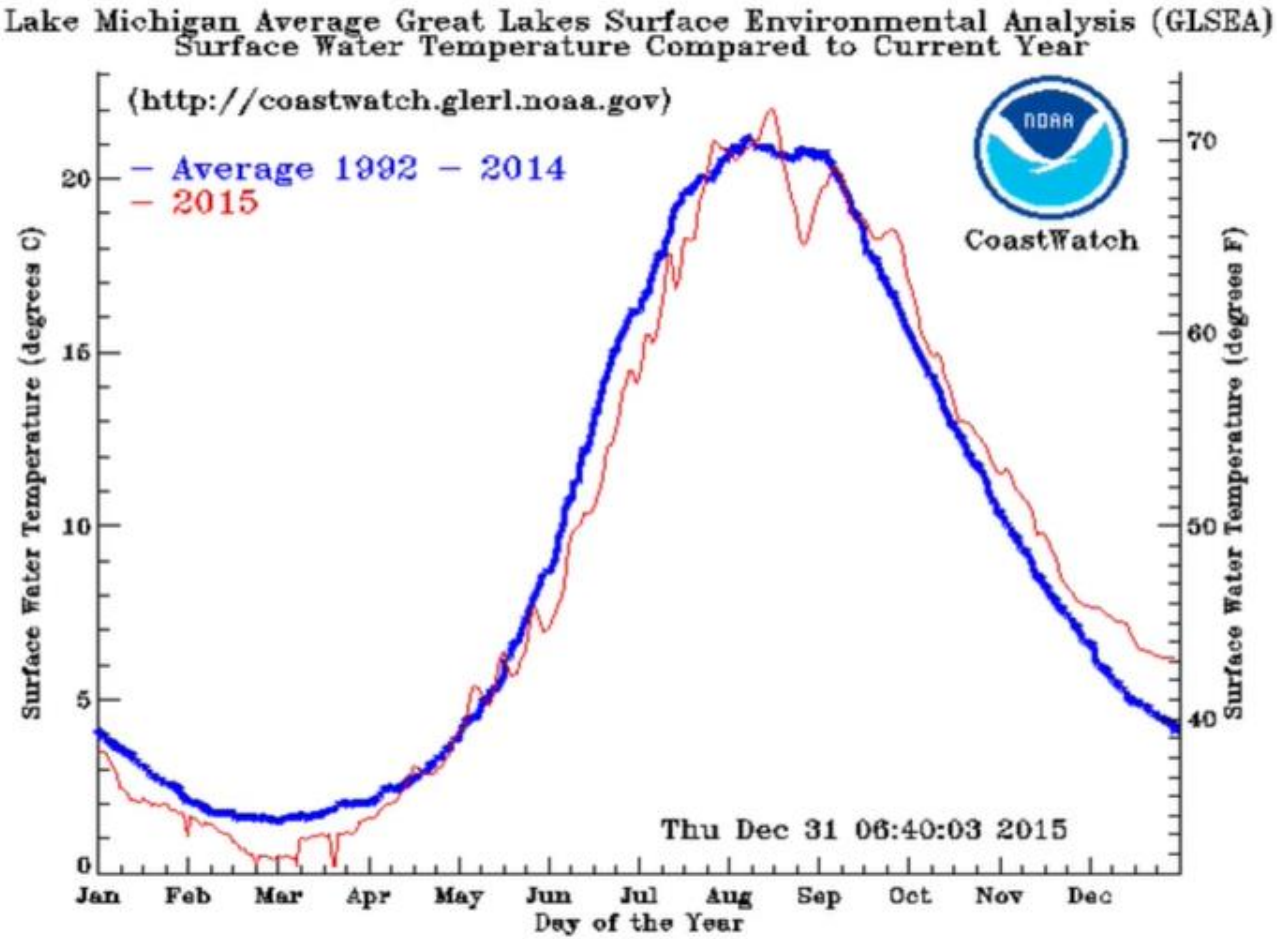
Exemplo 1: Observe este gráfico, que apresenta duas curvas.



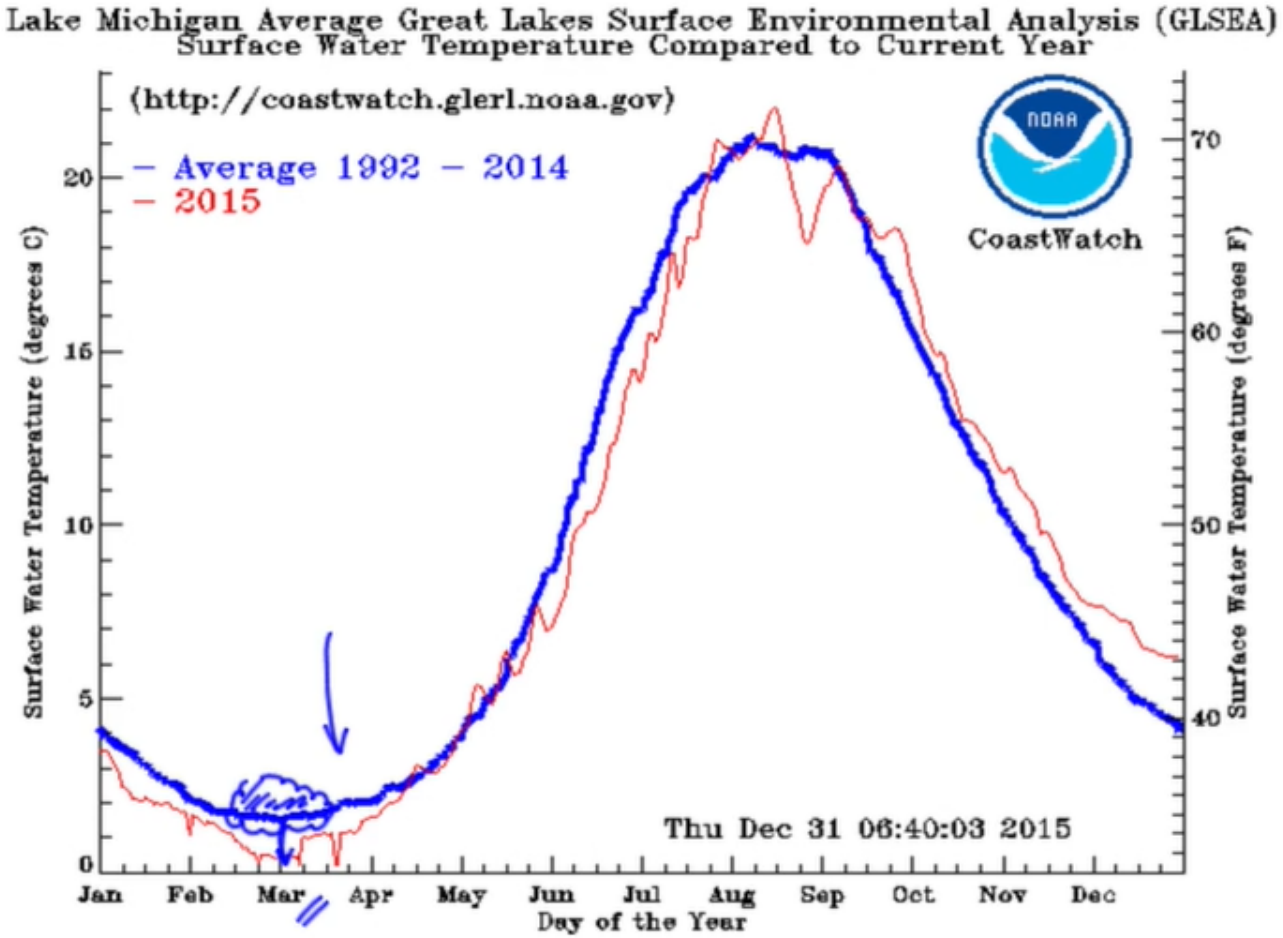
Azul – média das temperaturas mensais do Lago Michigan de 1992 a 2014

Vermelho – média das temperaturas mensais do Lago Michigan em 2015

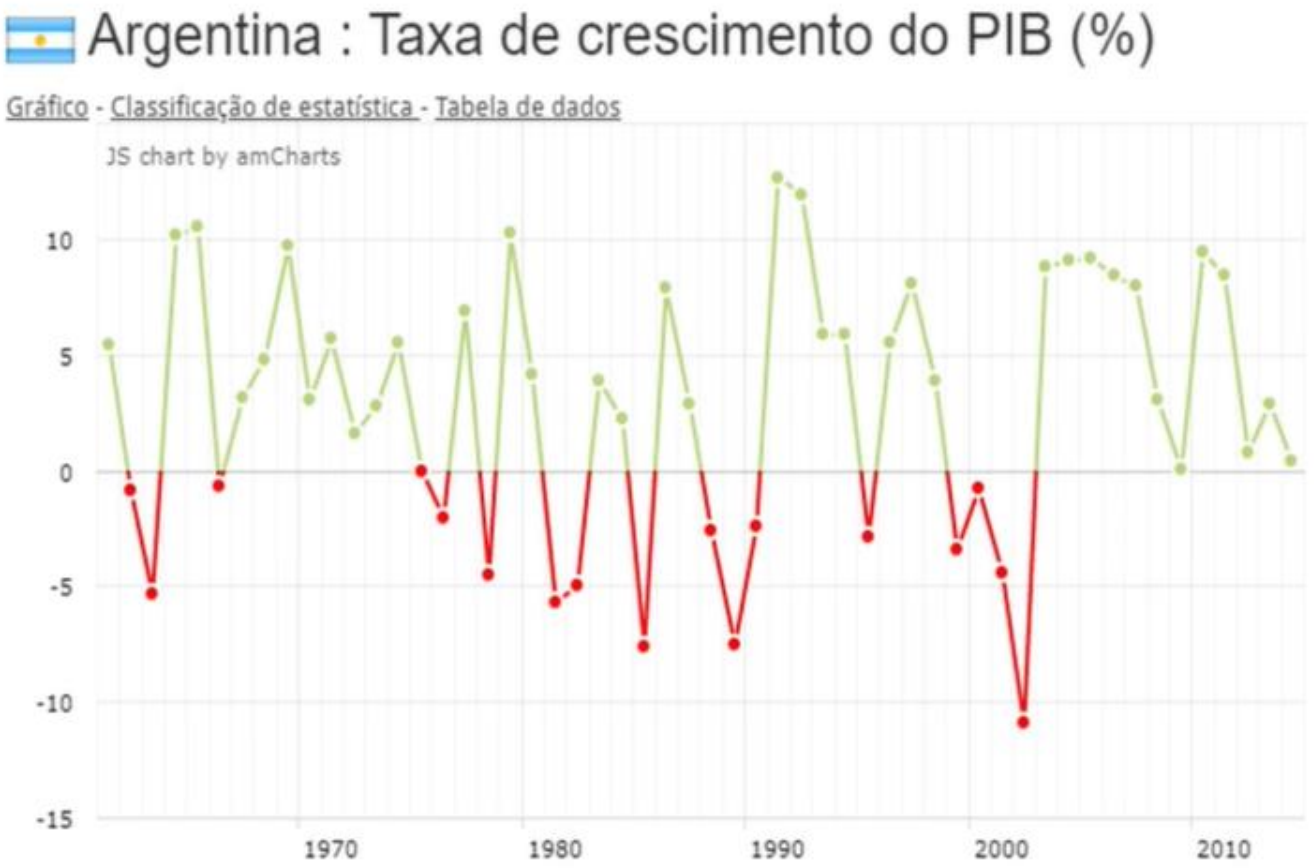
1) Baseado no gráfico azul, diga em quais meses o lago Michigan apresenta as menores temperaturas.

2) Baseado no gráfico azul, diga em quais meses o lago Michigan apresenta as maiores temperaturas.

3) Baseado no gráfico azul, qual o valor aproximado das maiores e menores temperaturas do lado Michigan?



Exemplo 2: Observe agora este gráfico, que mostra o crescimento do PIB Argentino do início dos anos 1960 até a década de 2010.



Quantas raízes possui esta função, considerando a função Taxa de Crescimento do PIB como uma função contínua?

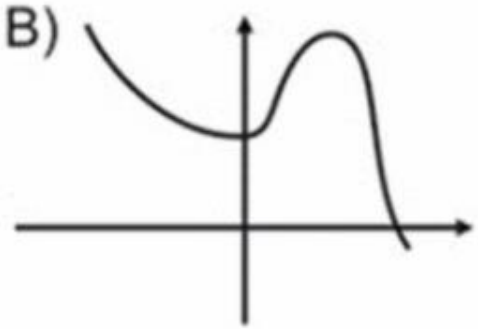
ANALISANDO OS PONTOS NOTÁVEIS DE UM GRÁFICO

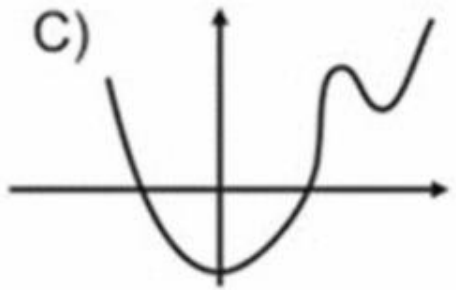
n. $f(x) = 0$

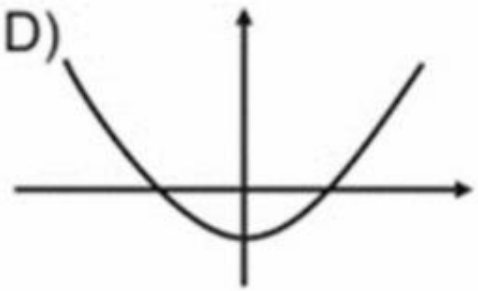
x_i

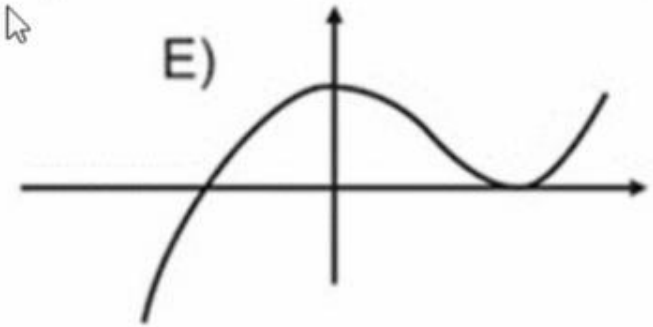
$f(x) > f(y) \ \forall y$ (-)

$f(x) < f(y) \ \forall y$ (-)









ANALISANDO OS PONTOS NOTÁVEIS DE UM GRÁFICO

n. $f(x) = 0$

x i

$f(x) > f(y) \; \forall y$ (-)

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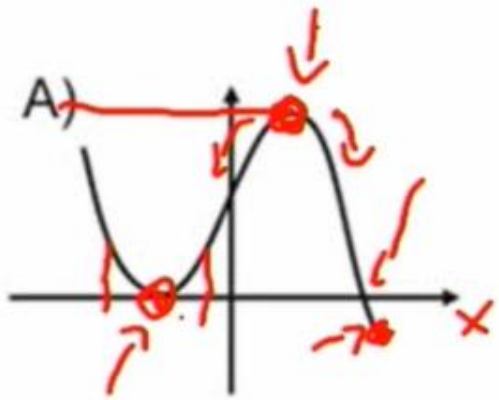
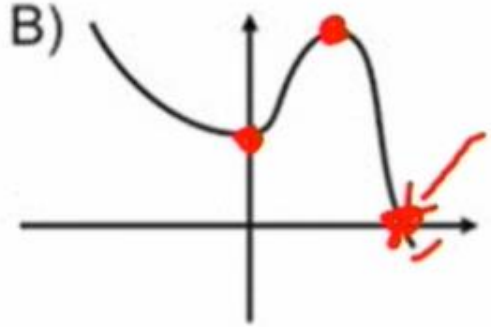
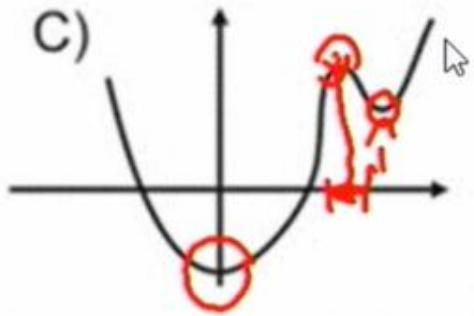
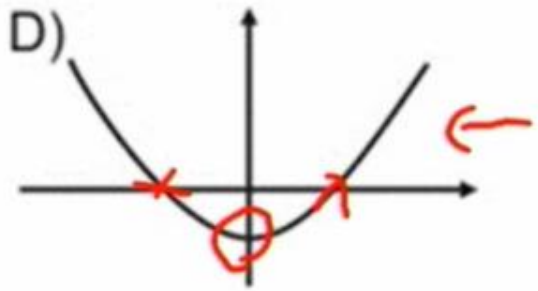
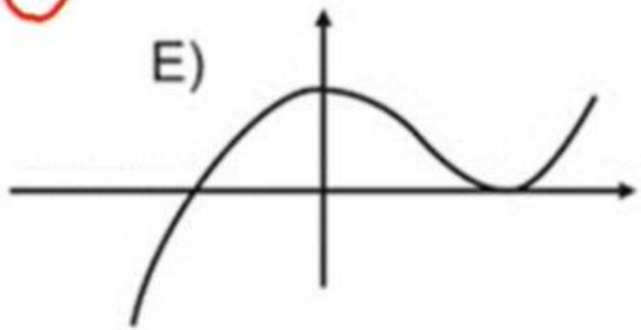


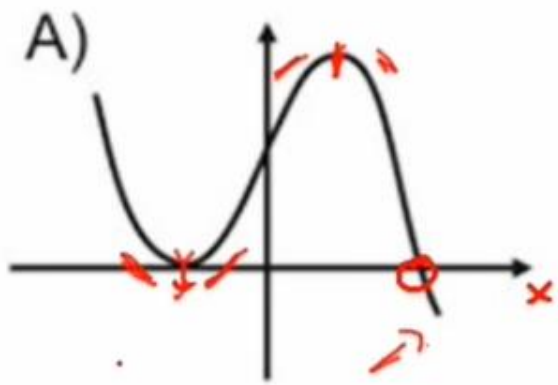


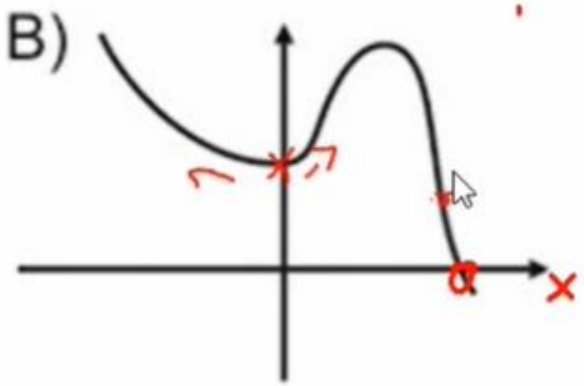


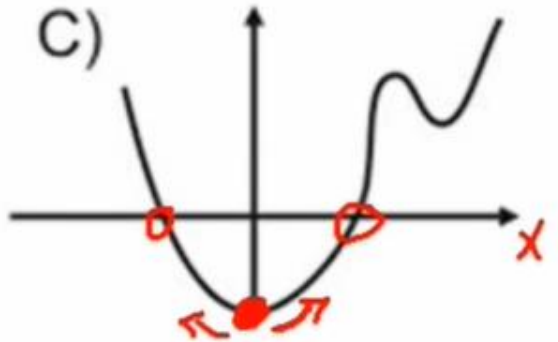


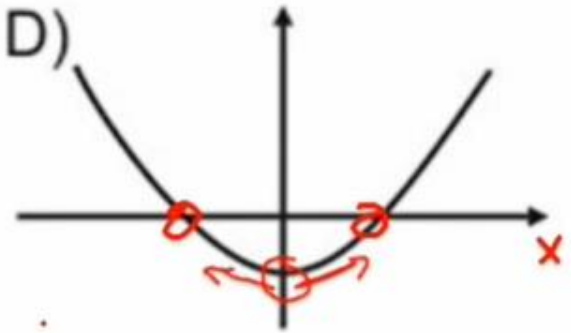


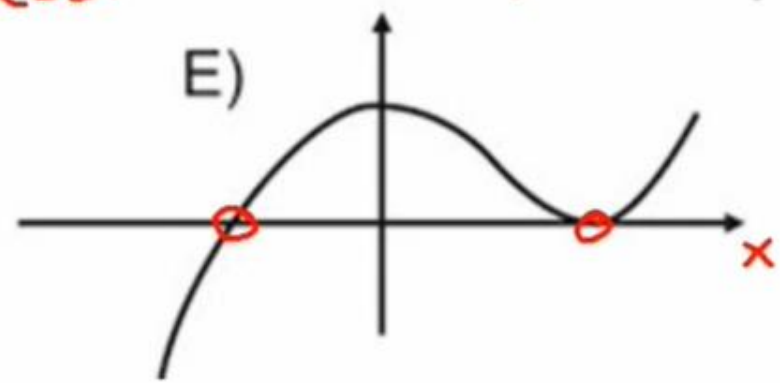
ANALISANDO OS PONTOS NOTÁVEIS DE UM GRÁFICO











$f(x) = 0$

$f(x) > f(x)$

$<$