



Araguatins - TO

## Exercícios sobre Derivadas

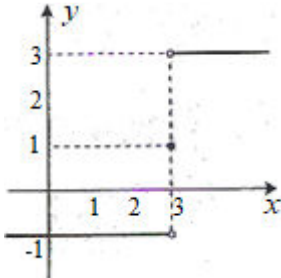
Milton Borba

### Turma 1ª fase de Engenharia Agrônômica

#### I. DERIVADAS GRAFICAMENTE

Dada  $y = f(x)$  graficamente, responda o que se pede.

1)



a)  $f'(3^-) =$

d)  $f'(1) =$

b)  $f'(3^+) =$

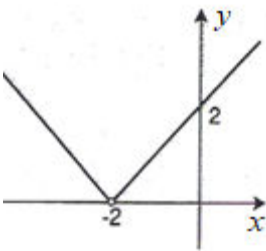
e)  $f'(4) =$

c)  $f'(3) =$

f)  $\lim_{x \rightarrow \infty} f'(x) =$

g)  $f(3) =$

2)



a)  $f'(-2^-) =$

d)  $f'(-3) =$

b)  $f'(-2^+) =$

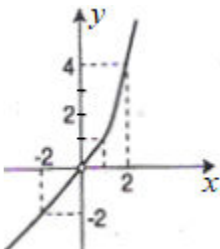
e)  $f'(0) =$

c)  $f'(-2) =$

f)  $\lim_{x \rightarrow -\infty} f'(x) =$

g)  $\lim_{x \rightarrow +\infty} f'(x) =$

3)



a)  $f'(-2^-) =$

d)  $f'(1) =$

b)  $f'(-2^+) =$

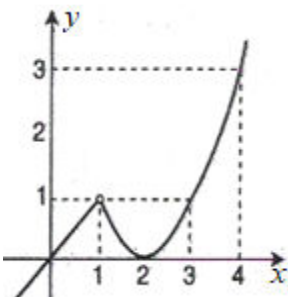
e)  $f'(2) =$

c)  $f'(-2) =$

f)  $\lim_{x \rightarrow -\infty} f'(x) =$

g)  $\lim_{x \rightarrow +\infty} f'(x) =$

4)



a)  $f'(0^-) =$

d)  $f'(1) =$

b)  $f'(0^+) =$

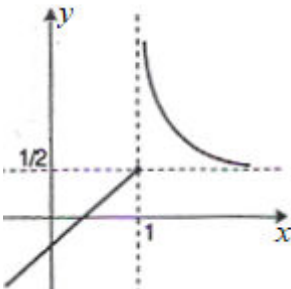
e)  $f'(2) =$

c)  $f'(0) =$

f)  $\lim_{x \rightarrow -\infty} f'(x) =$

g)  $\lim_{x \rightarrow +\infty} f'(x) =$

5)



a)  $f'(1^-) =$

d)  $f'(0) =$

b)  $f'(1^+) =$

e)  $f'(2) =$

c)  $f'(1) =$

f)  $\lim_{x \rightarrow -\infty} f'(x) =$

g)  $\lim_{x \rightarrow +\infty} f'(x) =$

