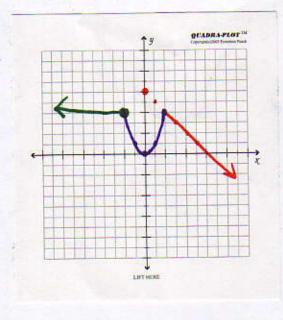
SEC. 3.3

INCREASING & DECREASING INTERVALS

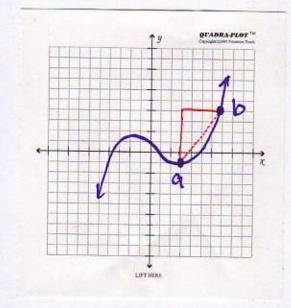
AND AVERAGE PATE OF CHANGE



CONSTANT (-00,-2] INCREASING [0,2] DECREASING [-2,0] & [2,00) (FALLS)

2. AVERAGE PATE OF CHANGE

WHEN a L b



EXAMPLE

19.
$$h(t) = t^2 + 2t_R$$
 $t = -1 + t_T$
 $h(t) = 4^2 + 2(4) = 24$
 $h(-1) = (-1)^2 + 2(-1) = -1$
 $h(-1) = (-1)^2 + 2(-1) = -1$
 $h(-1) = 4$
 $h(-1) = (-1)^2 + 2(-1) = -1$
 $h(-1) = (-1)^2 + 2(-1) = -1$
 $h(-1) = (-1)^2 + 2(-1) = -1$
 $h(-1) = (-1)^2 + 2(-1) = -1$

#21.
$$y(x) = \chi^{3} - 4\chi^{2}$$
 $\chi = 0$ $\chi = 10$

$$y(b) = y(10) = y^{3} - 4 \cdot 10^{2}$$

$$y(a) = y(0) = y^{3} - 4 \cdot 0^{2} = 0 = y(0)$$

$$y(a) = y(0) = y^{3} - 4 \cdot 0^{2} = 0 = y(0)$$

$$y(a) = y(0) = y^{3} - 4 \cdot 0^{2} = 0 = y(0)$$

$$y(a) = y(0) = y(0) = y(0)$$

$$y(a) = y(0)$$