alla

6. F(x) = X+5 f(x) = 11-F(x) = 8

ling f(x) = 5 11 - f(x) - DNE x+3

$$f(x) = +^2 - (-0, 2)$$

 $f(x) = c + +5$ [2,00
Match at $t = 2$
 $\lim_{t \to 2^-} f(t) = 2^2 - c = 4 - c$
 $\lim_{t \to 2^+} f(t) = (-2 + 5) = 2 + 5$
 $\lim_{t \to 2^+} f(t) = (-2 + 5) = 2 + 5$
 $\lim_{t \to 2^+} f(t) = (-2 + 5) = 2 + 5$

1 X5+1X+1 xota (Xz+1x+1 -X (VZz+1x+1 +X) (VX2+1x4, +X)= 1 X+X+1 +X 1000 + 1000 XVI+IX'+IX'+

X>0

Sto

1X+1 VX+KH +X 46: 16 15 VX2(1+1x"+1x") = (1×2 / 1+1×4×8 IXI K C -1000F1 とうる -X14.1x-

-8.16 +14x +2.5x-8 =0 -8.16 +14x +2.5x-8 ~ X+4 XX-4 $f(x) = -2x^2 + 6x + 9$ Find a so that faxis conhances $\lim_{x \to y^+} f(x) = -2(-y)^2 + 6(-y) + q$ = -56 + q5x3+44x355x-8=(x-2)(3x+6x-5) -4/2/4 22 -8

$$-56+9=6$$

.1,

11/4 CODE + IX +x +(x + * - VI + 1X + 1X 2 1.06000 000

You gu Plus in S to May James 4~0 501 ZOru t pour s

lin 1x1 - 111 X - P

141 = 4 4>0 = -4 440

5

$$f(x) = \frac{3}{3}x^{1/5} + \frac{1}{3}x^{1/2}$$

$$f(x) = \frac{3}{3}x^{1/5} + \frac{1}{3}x^{1/5}$$

$$f(x) = \frac{3}{3}x^{1/5} + \frac{1}{3}x^{1$$

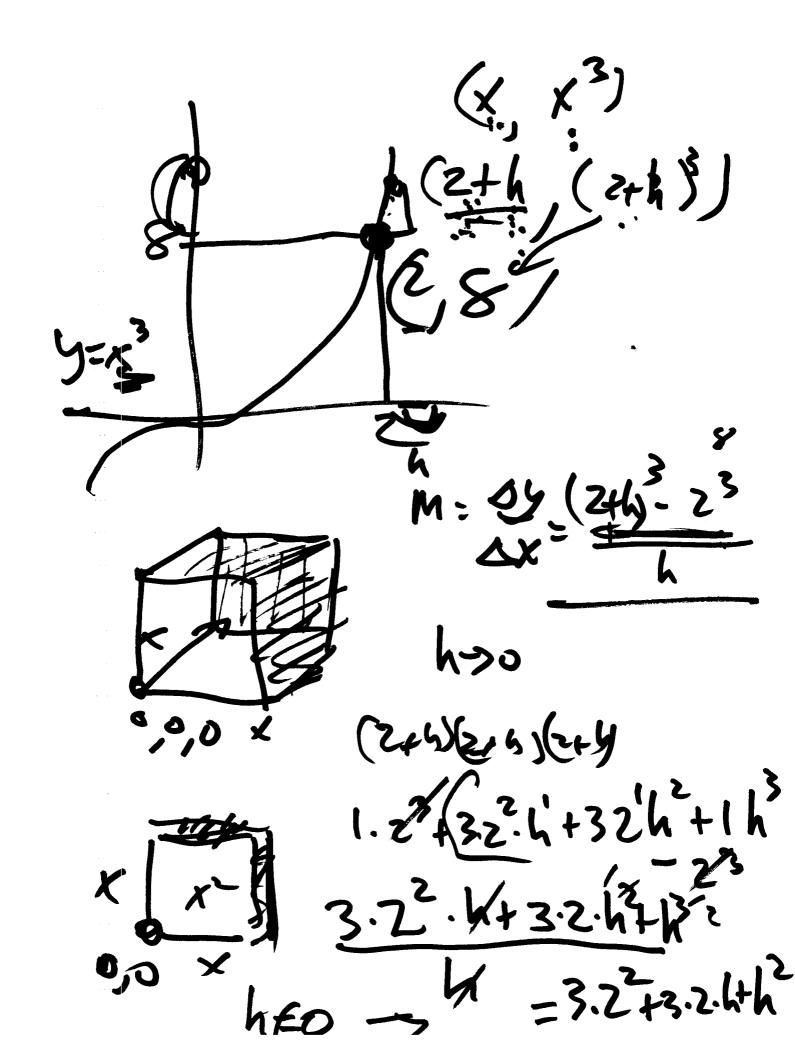
- X-1 (8+9x"/ (x-2) 78 11-2x"/(x-2) 711

$$y = f(x) = 11x^{9} - 4x^{5} + 2x^{3}$$

$$f'(x) = 99x^{8} - 20x^{9} + 6x^{2}$$

$$x = -6$$

$$f'(-6) = 99(-6)^{8} - 20(-6)^{9} + 6(-6)^{8}$$



3.02=0 fcx>=5x3+7x F(x) = 2X f(x)=5.(x)+7

$$F = \frac{CMm}{F^2}$$

$$y = x^3 = f(x)$$

$$h(4) = 64 + -16 + 2$$
 $V(0) = 64 + 64 - 16 + 1$
 $V(0) = 64 + 64 - 16 + 1$
 $h(0) = 0$
 $h(4) = 0$
 $h(4) = 0$