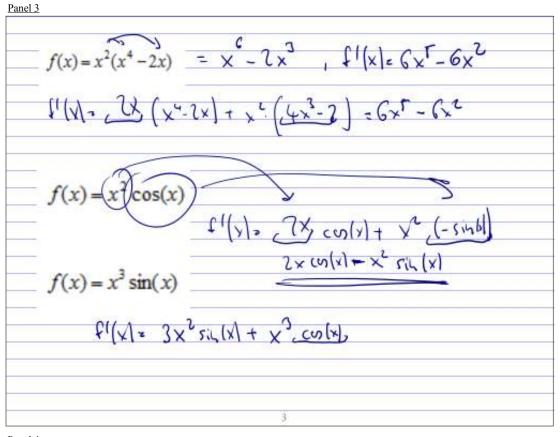
Panel 1	
All about Dinvalues	
- l(x+h)-L(x)	slope of knight
Dx. 1+(x)= lim (x+4)-L(x)	Meaning: (inst.) velocity
= from f(a)- ((x) = qx	just rate of clauge
Power Puli.	Constant Phila
ax X = N X	d (cf(x))=c.dx f(x)=c.f(x)
Product Rule	Quolient Rule
9x (t.8/= T, d+t. 3,	d ( g) = ( g) 2
Special derivatives: dx Sulvi	
Panel 2	
$f(x) = \pi^{2} + x^{2} + \sin(x) + \sqrt{x}$	
f/(x/2 2x + con(x) + 1/2 x	$\frac{1}{(x-1)} = (x + \cos(x) + \frac{1}{2} \frac{1}{x})$
0 × -3	
$f(x) = x^2 + \cos(x) \left(\frac{1}{x^3}\right) \sin(x^2)$	
fi(x)= 5x - 2in(x) - 3x-3	+0 = 2x - sin(x) -3x

2



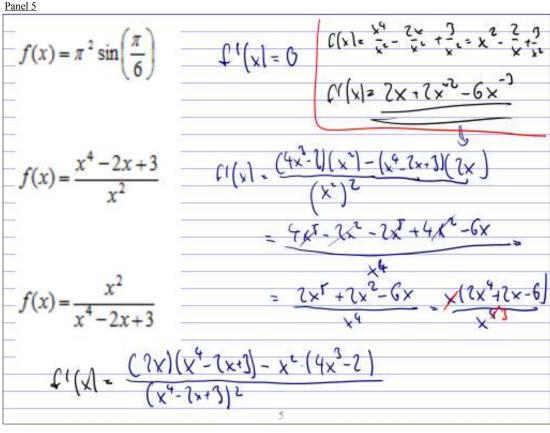
Panel 4

$$f(x) = \cot(x) = \frac{\cos(x)}{\sin^2(x)}$$

$$f(x) = \frac{\sin(x)}{x^4 - 3}$$

$$f(x) = \frac{\sin(x)}{\sin^2(x)}$$

$$f(x) = \frac{\sin(x)}{\sin^2(x)$$



Panel 6
$$f(x) = \frac{\sin(x)}{x^2 - 3\sqrt{x}}$$

$$f'(x) = \frac{\cos(x)}{(x^2 - 3\sqrt{x})} - \sin(x)(2x - 3\frac{1}{2}x^{-1/2})$$

$$f(x) = \frac{(x)\sin(x)}{1 - 2x}$$

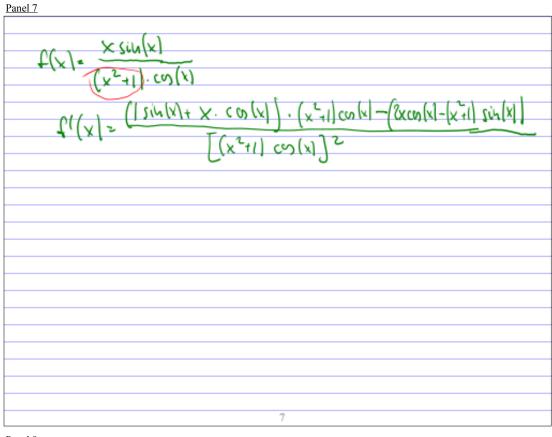
$$f'(x) = \frac{(x)\sin(x) + x\cos(x)(-2x) - x\sin(x)(-2)}{(1 - 2x)^2}$$

$$f(x) = \frac{(x)\sin(x)}{1 - 2x}$$

$$f'(x) = \frac{(x)\sin(x) + x\sin(x)(-2x) - x\sin(x)(-2x)}{(1 - 2x)^2}$$

$$f'(x) = \frac{(x)\sin(x)}{(-2x)^2}$$

$$f'(x) = \frac{(x)\cos(x)}{(-2x)^2}$$



Panel 8	
$f(x) = 3x^5 - 2x^3 + 5x - 1, \text{ find } f''(x)$	\$1(x/=(6x4-6x+5
$f(x) = 3x^5 - 2x^3 + 5x - 1, \text{ find } f^{(7)}(x)$	C(2)(x)=0
	8

Panel 9	
$f(x) = \sin(x), \text{ find } f^{(24)}(x)$	Cil (x)=-col(x)  Cil (x)=-2ir(x)  L(x)= 2ir(x)
	(m) (x) + 5 in (x)
$f(x) = \widehat{x} \sin(x), \text{ find } f'''(x)$	f (x 1= sin (x)+ x coo(x)
	= 2 cos(x) - x six(x) = 2 cos(x) + cos(x) - x six(x)
	cm[x1= -2 six[x] - (six[x]+xcox(x))
	=-3 six (x)- x cos (x)

Panel 11
Excum? next West
11