Learthik Muruganandam 8/25/2020Ch. 3 3(x+h)-g(x)=9(x)=1-2x 4(x+h)-1+2x=7

 $\frac{3(2x+h)-3(2x)}{h} = \frac{1-2(2x+h)-1+2x}{h} = \frac{-2h}{h} = \frac{-2}{1}$

Ch. 5

A Little March No. 1

Drashar xul Ho

0 = 800

OF 3000 1903 4 3 15

0 = x w (- ())

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1 - 10 11 - 1 - 10 1

The state of the s

16 $f(x) = e^{x+1}$ $y = e^{x+1}$ $x = e^{x+1}$ $h(x) = \ln(e^{x+1}) = \ln(e^{x+1})$

Domain of 8" = (0;inf)

cont. ->

Ch. 7

Ch. 8

20
$$\cos^{3}x - \sin^{4}x = \cos^{2}x = \cos^{2}x - \sin^{4}x = \cos^{2}x - \sin^{4}x = \cos^{2}x - \sin^{2}x = \cos^{2}x - \sin^{2}x = \cos^{2}x + \sin^{2}x = (\cos^{2}x + \sin^{2}x)(\cos^{2}x - \sin^{2}x)^{2}$$

$$\cos^{2}x + \sin^{2}x = (\cos^{2}x - \sin^{2}x)$$

$$\cos^{2}x + \sin^{2}x = (\cos^{2}x - \sin^{2}x)$$

$$\cos^{2}x + \sin^{2}x = (\cos^{2}x - \sin^{2}x)$$

$$54 \quad \lambda \sin x + \lambda \sin 2x = 0$$

$$\lambda \sin x + 2\cos x \lambda \sin x = 0$$

$$(1 + 2\cos x - \lambda \sin x = 0)$$

$$\cos^2 x = 0$$

$$\cos x = 0$$

$$\cos x = 0$$

Ch. 12

21 if r is a root, then f(r)=0

a. f(r-h+h)=f(r)=0

b. f(-(-r))=f(r)=0

c. f(kr/k)=f(r)=0

Cl. 13

10 BC: 9-1=9:818=1 $S_{11}:9^{k}-1=9i:9^{k}=8i+1$ $S_{12}:9^{k}-1=8i:9^{k}=9.9^{k}-1=9(8i+1)-1=72i+9-1=$ $8\cdot(9i+1)$

56 S= 9-1 1-1-1-12 1-1-1-12