	0 . 1	1
Functions	Problem	Set
1 UNICTIONS	100161	

1)
$$f(n) = 11 - 5\pi$$
 $6\pi + 1$
 $f(-1) = \frac{11 - 5(-1)}{6(-1) + 1}$
 $= -3.2$

5) Let
$$x=1:2=m+b$$
 solve system

(Let $x=2:-1=2m+b$ of linear cyns

 $(1-1)g(1)+2=2=m+b$
 $(2-2)f(2)-1=-1=2m+b$

$$2) g(0) = f(-2)$$

2)
$$g(0) = f(-2)$$
 $m+b=2$ $b=5$

$$f(-2) = 4 - (-2)^2$$
 - $m = 3$
= $4 - 4$ $m = -3$

$$-m - = 3$$

 $m = -3$

$$(0) = 3 - 0$$

$$f(2a-b) = f(a) \cdot f(b)$$

 $f(2(5)-5) = f(5) \cdot f(5)$
 $f(5) = f(5)^{2}$

$$f(1) = 1^2 + 1$$

= 2

$$f(2) = 2^2 + 1$$

$$3-2+5=6$$
 7

4)
$$g(2-1) = \frac{z-g(2)}{8}$$

$$g(1) = \frac{2 - g(2)}{g}$$

$$3 = \frac{2 - g(2)}{g}$$

$$24 = 2 - g(2)$$

Functions Problem Set

3) Let w = 1 = $\frac{5 \cdot 1^{+}}{9}$ = $\frac{5 \cdot 1^{+}}{9}$ + $\frac{17 \cdot 1^{+}}{3}$ + 2)

= $\frac{5}{9}$ + $\frac{17 \cdot 1^{+}}{3}$ + 2)

= $\frac{5}{9}$ + $\frac{17 \cdot 1^{+}}{3}$ + 2)

= $\frac{5}{9}$ + $\frac{17 \cdot 1^{+}}{3}$ + 2)

= $\frac{245}{9}$ Find w which in this $5x^{2} - 3x + 7 = \frac{245}{9}$ v case is g(w) $5x^{2} - 3x - 162 = 0$ $w = \frac{27}{15} + \frac{127 \cdot 2}{27 \cdot 4} + \frac{45}{162}$ $v = \frac{1}{3}$, $v_{2} = \frac{26}{15}$ = $2\frac{1}{3}$, $v_{3} = -1\frac{11}{15}$ i. the sum of the coefficients of g(w) is either $2\frac{1}{3}$ or $1\frac{11}{15}$

esson 1-3	
	C11. (21)
2)	Functions Problem Set
9)	$y f(2-y) - 2f(y) = x^2 + 1 \qquad f(x) = ?$
	$(2-x)F(1-(2-x))-2F(2-x)=(2-x)^2+1$
	$\frac{(2-\nu)f(2-(2-\nu))-2f(2-\nu)=(2-\nu)^2+1}{(2-\nu)f(\nu)}-2f(2-\nu)=\nu^2-4\nu+5$
	SIND THE FILE OF THE PARTY OF T
	$y f(2-x) - 2f(x) = x^2 + 1$
	$-2f(2-x)+(2-x)f(x)=x^2-4x+5$
	$2\pi f(2-\pi) - 4f(\pi) = 2\pi^2 + 2$
	$-2\pi f(2-x) + \chi(2-x)f(x) = \chi^3 - 4\chi^2 + 5x$
	$(-x^2+2x-4)+(x) = x^3-2x^2+5x+2$
	$(2\pi)^{2} - \chi^{3} - 2\chi^{2} + 5\chi + 2$
	$(\pi) = \frac{\chi^3 - 2\chi^2 + 5\chi + 2}{-\chi^2 + 2\chi - 4}$

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m=
   Let
                                            1001+
                                     (n-1)+1)+1001
                                (N) +1001
2
                  (20-1)+1001
        equation 0 is equal f(x) = F(x-1) + 1001
                                         to equation
      9999
 = f(1) + (9999-1)·1001
= 2 + 9998(1001)
= 10008000
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