	(D: 4068 = 8 (mme: 1,000 d b) v 1,0
1	week 2 Assignment 3
	f, -> sinn+y2+lnz-7=0 initial guess: A= [0-5]
トーシ	. t2 -> 3x+2x-2, f1=0
	f3 -> x+y+2-50
	$\frac{df_1}{dx} = \cos x \qquad \frac{df_2}{dx} = 3 \qquad \frac{df_3}{dx} = 1$
A COL	
	$\frac{df_1}{dy} = 2y,  \frac{df_2}{dy} = 2 \ln 2,  \frac{df_3}{dy} = 1$
	The state of the s
	$\frac{df_1}{dz} = \frac{1}{2},  \frac{df_2}{dz} = -32,  \frac{df_3}{dz} = 1$
	$\int = \frac{\cos x}{3} \frac{2^{3} \ln 2}{2^{3} \ln 2} - 3z^{2}$
	The state of the s
	set the system of eghanisms as a matrix 7,
	$F = \int \sin x + y^2 + \ln z - 77$
19 4 5 2	3x+2 <sup>7</sup> -2 <sup>3</sup> +1 x + y+2-5
	$F(A) = \begin{bmatrix} \frac{1}{3} + 2^{2} + -2^{3} + 1 \\ \frac{1}{3} + 2^{2} + -2^{3} + 1 \end{bmatrix}$
7.0	L=1+2+2-5
44 / /v	
	= [-1.827 -1.5] -0.5
	-0.5
	1(A) = T cos(0-5) 4 1/2 7
253 L	3 2-77 - 1/2

