% Program to calculate the value of z

% Program to complete the home work #1

% Created by Abhay Kela

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x=2 % Given value of X;

y=5 %given value of y;

z= (y-x.^3)/y-x

% Ptogram to calculate the value and assigninig it to a variable

6\*pi\*(atand (12.5))+4

a=ans

% Ptogram to calculate the value and assigninig it to a variable

(3.4)^7\*(log10(14))+sqrt (342)

b=ans

% Ptogram to calculate the energy released by the earthqauke of magnitude

% of 7.3

M=7.3;

E=10^(4.4)\*10^M

% Ptogram to write the evenly spaced vector with value from 0 to 100 with

% increment of 5

% Let me matric be J

J=[0:5:100]

% Ptogram to calculate the volume of cylinder with the dimensionless

% quantities

% Let r be the radius of cylinder

% Let h be the height of the cylinder

% Let V be the volume of cylinder

r=3;

h=[1,5,12];

V=pi\*(r^2)\*h