1.)

Given, G=> Gain 19 => internal voltage Please find the mattab code to find The value of f = 75 can be.

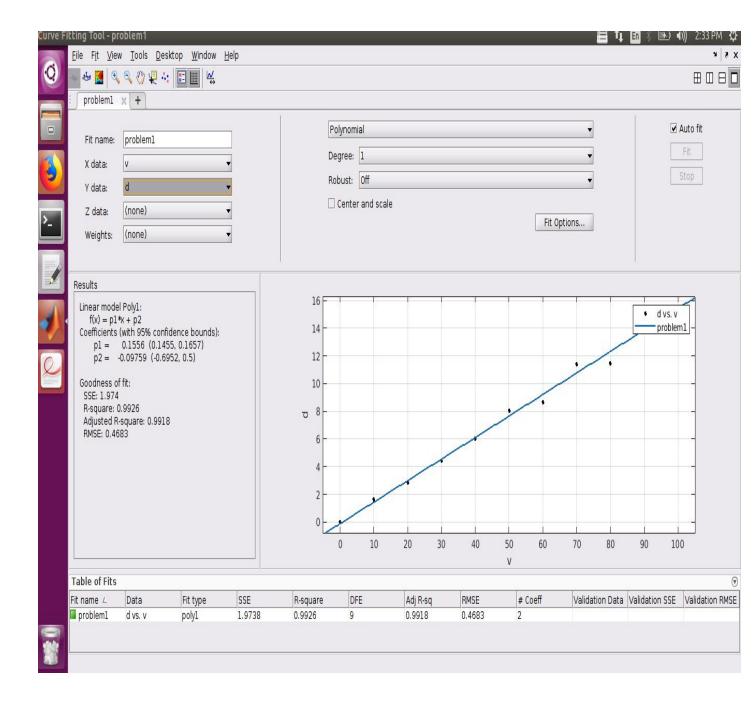
The value of f = 75 can be.

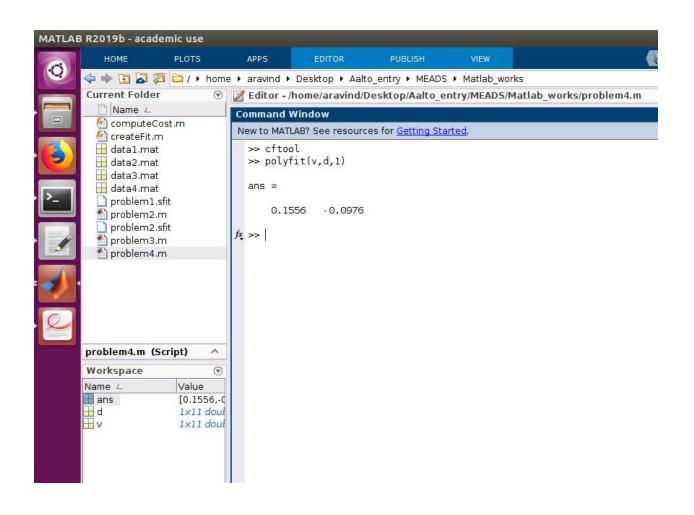
Calculated using polyval.

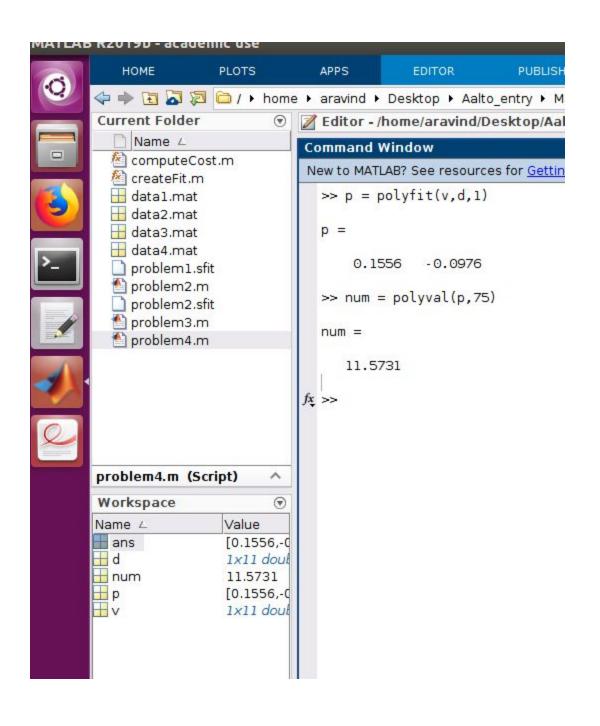
Calculated using polyval.

Please find the pdb s for value

When V = 75d= 11.5731







Please find the matlale codes. All so lutions in motlab 2.) y = k1 x k x 3,) logy = log k, + k2 log xc. . Now 1 = logy A= 109 K1 B = K2. So D becomes Y= A+BX Also, find mattal codes for other solutions.  $\begin{bmatrix} k_1 = e^{A} \end{bmatrix}$   $\begin{bmatrix} k_2 = B \end{bmatrix}$ The best polynomial degree is I 3.6: Because, it has minimum SEE Find the matlali codes. 4.)