. PSET#4 on APC <- new deadline - PSETAS due Wed Wed EC. due Friday - Test / mopeley not a slope = r slope = of reg la J22- coefficient of determination ((o of var (Y) accounted for by Var (X) in the linear regression

X regression model actual - prediction
y-coord residual = y - y = prediction (es Your dates Your set from the plots resident

X 0 * * * * * * * Loeff: SE-coeff Predictor wint

0.08 Slupe. 1.2/1R-59 = 95% R-4 (al) = 949 Standar dev. r2 = 95% Coeff of defermination regression line What is the 2= 50.95 expelation 2 (02) if (x,y) = (33,48)What (s resideral at $\chi = 33$?

$$(CS = 48 - 72)$$

$$= (-24)$$

$$= (-24)$$

=(-24)Linearity a function f is Linear it f(x+y) = f(x) + f(y) $(2) \cdot f(k \cdot x) = k \cdot f(x)$ for any constant K. Example: is $f(x) = 2x^2$

(1) l'inear function? $f(2x) = 2 \cdot f(x)$ () 2 (2)c)² $2(2x^2)$

f(n) Not linear log (y) log (x)

