Another B correct answer would C 15 correct 1
Coefficient of defermination Just C 5. NOTB C3 D are correct 7. 12 is the suffice coefficient of defermination that julls us how much of the error explained by the linear negression made! In other words. SSmod SSmood + SSE 2 ralue found the error responge variable explained our model The remaining with the variance variable. So, we know the than +hay

Pa) Normality? Based on the probability plot,
I believe this model is not approaching approximately Normal Instead, we can use a studenfired distribution allowing for more extreme values Constant Variance? No funnelling or pattern on the regionals plot Theory 2000 please: fimilar # of points helow 3 above line istassipisero mean Cincarity random pattern Independence 3 randomners are situation bajed, and we need more information about the process used to collect the data. 9a) 30.84 calories burned 90) 1. gold make a confrolence intersat looken runnen and finding an Inferral representing Mar this lagge valuge to capture the true # of calories 9c average burned every increase in mph. The would look to see if the specific runners value falls within that 14 ferral

9d. le 39.8% of the error can be explained by the mode! The f statistic compares the combined offect of the variable Along with a large f-value and a pratue that is less than our x level, we can reject the null hypothesist that would say there's no relationship between increase in speed 3 the number of calories burned.