	VI	
Name	Ktl	

Instructions: You must show all work to receive full credit for the problems below. You may use Excel where appropriate. Any datasets needed will be posted on Blackboard with the quiz file, and you should submit such work along with your quiz. Round answers to two decimal places unless other instructions are given in the problem.

1. Use the sequence of values 6.5, 7.8, 9.1, 10.4, 11.7, 13, 14.3, ... to determine if the sequence is a linear relationship or another kind. If linear, what is the slope (common difference)?

yes, it is linear The common defference

2. The linear equation y = 0.017x - 0.0848 models the relationship between the price of gold x and the price of silver y. Interpret the slope in the context of the problem. The intercept cannot be interpreted. Explain why not.

for each \$1 increase in The puce of gold, the puce of Silver goes up by \$10.017 or 1.74.

the intercept cannot be interpretted because when the puci of gold is zero, The equation spredicts The puci of Selvier is negative, which is impassable.

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3. A scatterplot is shown. Does there appear to be a strong relationship between the variables? If so, is the relationship linear or nonlinear?

