

Name:

PIN:

MATH 1342
Quiz 2.8

A research group conducts the same experiment at three different elevations. They are trying to determine how two variables are related and if elevation affects the relationship. For each set of collected data, sketch a scatter plot and indicate if there is an apparent positive/negative relationship or no apparent relationship.

(1) Sea level:

<i>variable #1</i>	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0
<i>variable #2</i>	5.2	5.0	4.9	5.0	4.4	4.3	4.1	3.8	3.7	3.2	3.0

(2) 3,000 feet:

<i>variable #1</i>	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0
<i>variable #2</i>	2.2	4.8	3.1	5.1	2.7	4.4	3.3	4.0	2.6	4.9	3.5

(3) 7,000 feet:

<i>variable #1</i>	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0
<i>variable #2</i>	2.1	2.3	2.6	2.7	2.9	3.4	3.4	3.7	4.0	4.2	4.5