

1 State whether correlation or regression is appropriate for the following studies.

a An investigation of silicon and phosphorus content of 15 different lakes. _____

b An investigation of fruit production in relation to soil nutrients. _____

c An investigation of water temperature in relation to distance from water discharge by the cooling unit of a nuclear power plant. _____

d An investigation of depth and surface area in 5 different lakes. _____

2. Compute a t-statistic for a correlation coefficient of $r = 0.35$, with a sample size of 9.