

Attendance Quiz 24

Name: _____ Date: _____

1. Find the value of the linear correlation coefficient r and use a significance level of $\alpha = 0.05$ to determine whether there is a significant linear correlation between the two variables.

Listed below are the numbers of fires (in thousands) and the acres that were burned (in millions) 11 western states in each year of the last decade. Is there a correlation?

Fires	73	69	58	48	84	62	57	45	70	63	48
Acres burned	6.2	4.2	1.9	2.7	5.0	1.6	3.0	1.6	1.5	2.0	3.7