Name_____

Student ID: _____

Quiz 11

Question 1. *(10 marks)* The amplitude if oscillation of a TV antenna tower was measured for different peak wind velocities given in the table below. Plot these data points and supper imposes over them the best fit line graph. Calculate the linear correlation coefficient r. Estimate the the amplitude for a peak velocity of 100km/h.

Velocity	30	50	80	120	90	60	60	100	(km/h)
Amplitude	10	30	50	80	80	40	60	90	(cm)