

U3D10 Review: Two Variable Data Review Homework: Page 190 #1-7, 9, 11-13

1. This table compares the parking facilities of several large companies.

Acres of	Number
Land	of Parking
	Spaces
2.0	145
1.5	160
4.0	500
1.0	95
(5.0)	600
4.0	425
2.0	550
3.0	280



a) Which variable is the independent variable?

b) Which variable is the dependent variable? Parking Spaces

- c) Create a scatter plot. Choose the appropriate axis for each variable. (i.e. remember which axis is used for the independent variable and which is used for the dependent variable). Label each axis, choose an appropriate scale for each axis and give your graph a title.
- d) Circle any outliers or influential points.
- e) Describe the trend you see. (What is the correlation?)

  fairly strong, positive correlation
  f) Describe the relationship between the variables.

As number of acres increase, the number of parking spots raw the line of best fit. g) Draw the line of best fit.

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h) Determine the equation of the line of best fit. Show your work.

b = 40

How many parking spaces would you expect on 10 acres of land?

