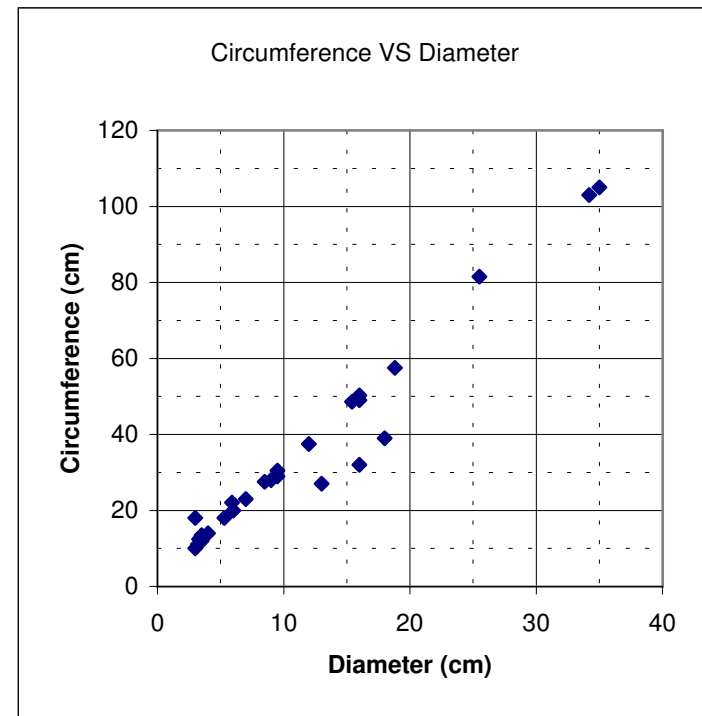


Session #33 MATH 230 Fitting a Line to Data

Diameter (d) (cm)	Circumference (c) (cm)	c/d
3.0	18.0	6.0
3.0	10.0	3.3
3.2	11.0	3.4
3.3	12.5	3.8
3.5	12.0	3.4
3.5	13.5	3.9
4.0	14.0	3.5
5.3	18.0	3.4
5.9	22.1	3.7
6.0	20.0	3.3
7.0	23.0	3.3
8.5	27.5	3.2
9.0	28.0	3.1
9.5	29.0	3.1
9.5	30.5	3.2
12.0	37.5	3.1
13.0	27.0	2.1
15.4	48.6	3.2
16.0	32.0	2.0
16.0	49.0	3.1
16.0	50.2	3.1
18.0	39.0	2.2
18.8	57.5	3.1
25.5	81.5	3.2
34.2	103.0	3.0
35.0	105.0	3.0

suspicious



suspicious

suspicious

suspicious
suspicious

Here is a collection of student data for Activity #9 on p. 51 of the yellow modeling text. Fit a line to the data and derive a formula relating c and d .