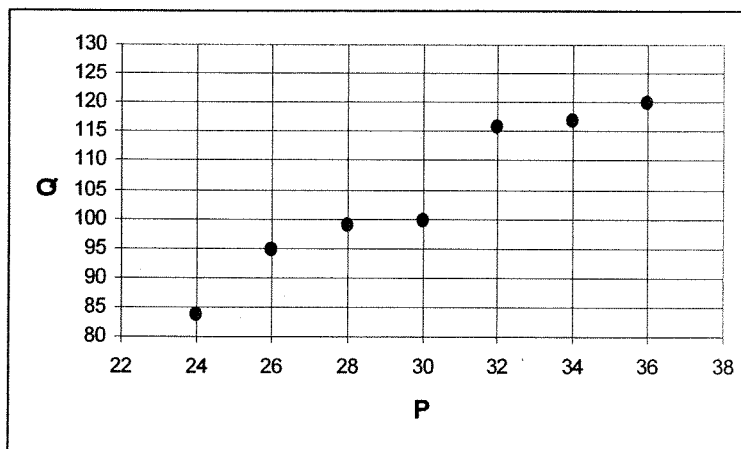


SESSION #11
MATH 115

Practice Exercises

1. a. Sketch a line of good fit through the data points on the graph below.
- b. Show how to find an explicit functional equation for your line.
- c. Use your equation to estimate a value for Q when P is 31.
- d. Comment on how well your line fits the actual data.

P	Q
24	84
26	95
28	99
30	100
32	116
34	117
36	120



2. a. Find and specify a difference equation for the relationship expressed in the table below.
- b. Find and specify an explicit functional equation for the relationship expressed in the table below.

n	F_n	ΔF_n	$\Delta(\Delta F_n)$
0	0		
1	4		
2	12		
3	24		
4	40		
5	60		
6	84		