Median-median Lines and Mayer Lines   **Name:** _____

a) For the following data:

1) determine the equation of the median-median line.
2) predict the value of y when x = 50
3) predict the value of x when y = 100

x	2	3	7	8	4	12	6	9	11	15	17	1
y	13	16	29	32	15	45	27	35	47	52	54	12

x												
y												

Group 1

x	y

Group 2

x	y

Group 3

x	y

b) For the following data:

1) determine the equation of the median-median line.
2) predict the value of y when x = 100
3) predict the value of x when y = 100

x	22	13	27	88	34	12	16	19	11
y	13	16	29	32	15	45	27	35	47

x									
y									

Group 1

x	y

Group 2

x	y

Group 3

x	y

c) For the following data:

1) determine the equation of the median-median line.
2) predict the value of y when x = 500
3) predict the value of x when y = 700

x	102	300	227	248	344	212	226	119	311	415	117
y	138	416	290	332	415	345	270	235	471	512	254

x										
y										

Group 1

x	y

Group 2

x	y

Group 3

x	y

d) For the following data:

1) determine the equation of the Mayer line.
2) predict the value of y when x = 50
3) predict the value of x when y = 100

x	2	3	7	8	4	12	6	9	11	15	17	1
y	13	16	29	32	15	45	27	35	47	52	54	12

x											
y											

e) For the following data:

1) determine the equation of the mayer line.
2) predict the value of y when x = 100
3) predict the value of x when y = 100

x	22	13	27	88	34	12	16	19
y	13	16	29	32	15	45	27	35

x								
y								

f) For the following data:

1) determine the equation of the mayer line.
2) predict the value of y when x = 500
3) predict the value of x when y = 700

x	102	300	227	248	344	212	226	119	311	415
y	138	416	290	332	415	345	270	235	471	512

x										
y										