Name: Math 133 Test #2

1.



2.



3.



4.



5.



6.



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1. Find the equation for the “line of best fit”.
2. Find the correlation (r) for this data.
3. Explain what the value of “r” tells you in the context of this problem.
4. What would you estimate the cost of a stamp to be in the year 1998? Would you consider that prediction to be very accurate, somewhat accurate or not accurate at all? (Explain)

7. Find the slope of a line given two points on the line are (-2, 8) and (4, 20).

8. Find the equation of a line containing the same two points used in problem #7.

9. Sketch a graph of a line that has a negative slope, a slope of zero and a line with an undefined slope. (Clearly label which line has which slope)