

YOUR NAME: _____

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Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. (a) Fill-in the following tables with the appropriate values.

x	-2	-1	0	1	2
2^x					

x	-2	-1	0	1	2
$\log_2 x$					

- (b) Draw the graphs of the functions $f(x) = 2^x$ and $g(x) = \log_2 x$ on the same system of coordinate axes.

2. Chippewa County has decided to sell bonds for renovating some sporting venues. When they mature in 5 years time, they will be worth \$ 1,000 each. If the annual yield is 5%, can you advise the County board on what the present value of those bonds should be?