QUIZ 2 - MATH 111

YOUR NAME:_____

Friday, January 23
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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. Consider the data set

x	-2	-1	0	1	2
y	5	3	1	3	7

   (a) Is y a function of x? **Explain**.

   (b) Is x a function of y? **Explain**.

2. Use your calculators to present a **complete graph** of $f(x) = x^4 - x^3$ if you know that it has at most three turning points. Please, **label your axes**.