Name: **KEY**

MAC 2312 — Homework 4

Directions: Complete the following problems for a homework grade. Solutions *must* be presented in a neat and professional manner in order to receive credit, answers given without showing work will not be eligible to receive partial credit, and *work for the problems **must** be done on scratch paper and not on this handout!* **Date Due:** Tuesday, November 8.

1. Go to the #thanksgiving_st00fs channel in our course's SLACK room (see course homepage for the URL) and say something about Thanksgiving. Do you like it? Do you not like it? What do you eat? Are you going somewhere? Tell us things!

2. Sketch the curve given by the parametric equations $x(t) = t^2$, $y(t) = t^3 - 4t$, $-4 \leq t \leq 4$, by plotting points. Indicate with an arrow the direction in which the curve is traced as t increases.

t	-4	-3	-2	-1	0	1	2	3	4
x	16	9	4	1	0	1	4	9	16
y	48	-15	0	3	0	-3	0	15	48

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