College Algebra: Business Flavor

Excel project with second test.

Recall that each test has an Excel project that goes with it. Each Excel project is worth 5% of your course grade.

Let a and $b$ be the last 2 numbers in your banner number.

If your banner number is 001233506, then $a=0$ and $b=6$.

You will work with a number data sets, determined by $a$ and $b$.

In the spreadsheet Test2Data, your values for $f(x)$ are in column $a$, and your values for $g(x)$ are in column $b$.

In an Excel workbook,

1. List your banner number and your values for a, b, c, and d, in a text box.
2. On the second page:
	1. Make a table of $x$ and $f(x)$.
	2. Find the best fitting quadratic polynomial for $f(x)$.
	3. Find the roots and turning points of $f(x)$.
3. On the third page:
	1. Make a table of $x$ and $g(x)$.
	2. Find the best fitting cubic polynomial for $g(x)$.
	3. Find the roots and turning points of $g(x)$.

Write a one-page or two-page summary, in word, that describes the features of your functions. It should include a picture of a graph of the scatterplot with the function added.

Rubric

Effort 30

Word Doc 6

Each page

Table 2

Best fit poly 2

Roots and turning points 3