Math 128   NAME:
5.5 Transformations of Trigonometric Graphs

Use Derive for Windows to quickly graphs the functions below. Use a new 2D-plot
window for each number. Make a quick sketch of the graphs below each number so you
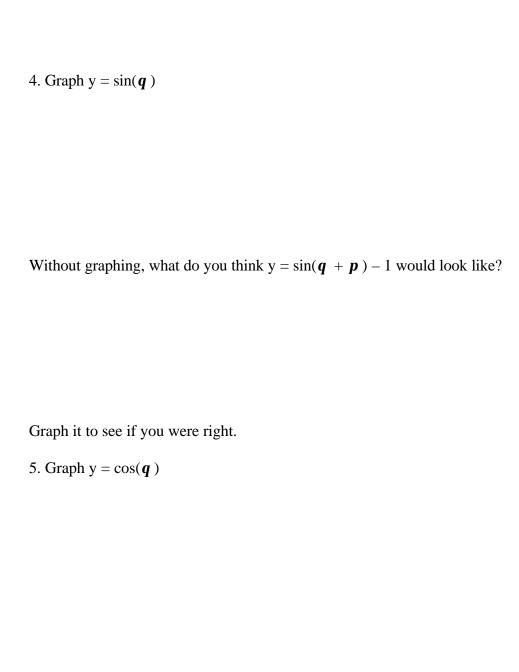have a record. Label each function so you can tell them apart.

1. Graph $y = \sin(q)$, $y = \sin(q + p)$, and $y = \sin(q) + 1$

2. Graph $y = \tan(q)$ and $y = \tan(q - p/4)$

3. Graph $y = \csc(q)$

Without graphing, what do you think $y = \csc(q + p)$ would look like?

Graph it and see if you were right.

4. Graph y = sin(q)

Without graphing, what do you think y = sin(q + p) − 1 would look like?

Graph it to see if you were right.

5. Graph y = cos(q)

Without graphing, what do you think y = cos(q − p /2) would look like?

Graph it to see if you were right. Does this graph look familiar? How so?