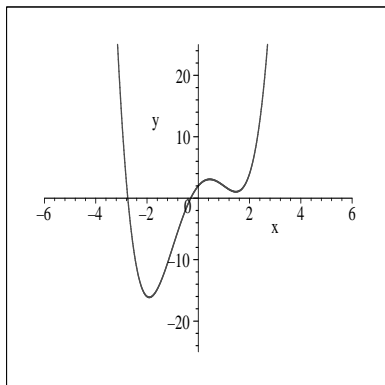


Quiz 6

MATH 139-01 and -02
Thursday, September 18, 2003

Be sure to **show your work**. Unsupported answers receive no credit.

1. The graph of $y = f(x)$ is shown below. Sketch the graphs of $y = f(x + 2)$ and $y = -f(x)$ on the same set of axes. Be sure to label which is which.



2. Assume that f is a polynomial. What is the minimum degree f could have? How do you know?
3. The leading coefficient of f is either positive or negative. Which is it? How do you know?
4. Let $f(x) = \ln(x)$ and $g(x) = x^2 - 5$. What is $f(g(x))$? $g(f(1))$?