Homework #20- Hand in no later than 2:41 p.m., Wednesday, July 26.

Give an example of the type described or prove there is no such example:

- **1.** A one-to-one linear function f: X f(X) = Y from one linear space onto another such that the inverse function $f^{-1}: Y$ X is not linear.
- **2.** A one-to-one continuous linear function f: X f(X) = Y from one pseudonormed linear space onto another pseudonormed linear space such that the inverse function $f^{-1}: Y = X$ is not continuous.