homework 9

real problems

As I corrected your exam 2, I placed stars next to problems with which you had trouble. Using the "proof forms" handout, rework those starred problems.

extra credit

In class when we discussed closures, I was careful to always say "this is **a** closure", not "this is **the** closure". I made this distinction because we had not shown that there is only one closure.

Use the definition of a closure to prove there can be only one closure. In other words, prove that if relations P and Q are both transitive closures of a relation R, then $P = Q$.