

This weeks problem set focuses on eigenvalues and eigenvectors of Matrices. A question marked with a  $\dagger$  is difficult and probably too hard for an exam (though still illustrates a useful point). A question marked with a  $*$  is especially important.

1. From section 5.1, problems 1, 2*a, c*, 3*a, c*, 4*a, d, h*, 6, 7\*, 11.