

This weeks problem set focuses on the ideas of bases and linear transformations. 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 1.6, problems 1, $2a, e, 3a, c$, 4, 6, 14, 15, 20^* , 26, 28^\dagger , 33, 34^* , 35^* .
2. From section 2.1, problems 1, 2, 5, 6, 9^* , 14, $14b$.