

MATH 201: LINEAR ALGEBRA
HOMEWORK DUE TUESDAY WEEK 14

Problem 1. Find the principal components of the following points in \mathbb{R}^2 : $(-1, 0)$, $(1, 4)$, $(2, 4)$, $(3, 6)$.
(*Note:* These are the same points to which you applied the method of least squares to in HW13F. Your first principal component should be similar to, but different from, the direction of the least squares line of best fit.)