Math 131 Homework Assignment (05/03 – 05/10)
Assignment will be collected on 05/21 the Friday after the midterm during the class.

Midterm will be on May 14 next Wednesday in the class—on chapters 1 and 2.

Key notions introduced this week:

(1) Coordinates;
(2) Linear transformations, domain, codomain;
(3) Image space and inverse image space, range and kernel;
(4) Invertible transformations, inverse transformations;
(5) Isomorphism, matrix representations of transformations;
(6) Inner product, norm and distance.

Homework problems:

§3.3. 12, 21.
§3.4. 2, 5, 8, 11, 16, 17, 21, 24.
§3.5. 1, 2, 7, 9, 11.