

Math 3140 - Assignment 0

Due August 25, 2021

You do not need to hand this in but please bring your notes to class on Wednesday.

- (1) Read Section 1.1 What Is Symmetry? in [1].
- (2) [1, Exercise 1.1.3] Determine the symmetries of a brick (a rectangular solid with edges of three distinct lengths). Are they the same as those of a rectangle? Why or why not?

REFERENCES

- [1] Frederick M. Goodman. Algebra: abstract and concrete. SemiSimple Press, edition 2.6, 2015. Available from <http://homepage.divms.uiowa.edu/~goodman/algebrabook.dir/download.htm>