

MA 771 Exercises

- 1.8. Let $f : \mathbb{R} \rightarrow \mathbb{R}$ be given by $f(x) = x/2$ and $g : \mathbb{R} \rightarrow \mathbb{R}$ be given by $g(x) = x/3$. Show that any topological conjugacy between f and g cannot be a Lipschitz homeomorphism. (A Lipschitz homeomorphism h is a homeomorphism for which both h and h^{-1} are Lipschitz maps.)
- 1.9. Robinson 2.21 (p. 62)
- 1.10. Robinson 2.22 (p. 62)
- 1.11. Robinson 2.25 (p. 62)