

**Math 7210: Riemannian Geometry – Homework 3**

Due in class: Wednesday, September 11, 2019

1. Exercise #1.1 of do Carmo's *Riemannian Geometry*.
2. Exercise #1.3 of do Carmo's *Riemannian Geometry*.
3. Exercise #1.4 of do Carmo's *Riemannian Geometry*, parts (a) and (b).
4. Exercise #1.7 of do Carmo's *Riemannian Geometry*, parts (a), (b), and (c).