

# Title

D. Zack Garza

Thursday 20<sup>th</sup> August, 2020

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## 1 Thursday, August 20

### Exercise 1.1.

Show that  $\left\{(\mathbb{R}^1, \text{id}), (\mathbb{R}^1, x \mapsto x^3)\right\}$  is *not* a smooth atlas.

### Exercise 1.2.