ASSIGNMENT 10 (LIE ALGEBRAS)

COLTON GRAINGER (MATH 6230)

8-22: A general Lie algebra.

8-19: $(\mathbf{R}^3, \times)$ **with the cross-product.**

8-20: An isomorphism with $(\mathbf{R}^3, \times)$ **with the cross product.**

8-30: $\mathfrak{su}(2)$ **and** $\mathfrak{o}(3)$ **are isomorphic** $\mathbf{R}^3$ **with the cross product.**

REFERENCES