- **1.** 3.3.1
- **2.** 3.5.1
- **3.** 3.5.2
- **4.** 3.5.3
- **5.** Suppose H is a torus in G. Moreover, suppose that H has the property that if  $g \in G$  commutes with all elements of H, then  $g \in H$ . Conclude that H is a maximal torus.

Due: April 2, 2022