Suggested Exercises for Week 3

1. Hatcher 4.2.7, 4.2.13, 4.2.15,4.2.19, 4.2.22, 4.2.23

2. Use the description of the stable homotopy groups of spheres given in class to find $\pi_{n+1}(S^n)$ for $n \geq 3$.

3. Show that if G contains any element of finite order, then $K(G, 1)$ has the homotopy type of an infinite-dimensional CW complex.