

TOPOLOGY 2, HOMEWORK 9

(1) Hatcher, Section 1.2 #18(a)

Here the *suspension* of a space X is the quotient of $X \times I$ by setting $(x, 0) \sim (y, 0)$ and $(x, 1) \sim (y, 1)$ for all x and y in X . See Hatcher, Ch. 0.

(2) Hatcher, Section 1.2 #20

(3) Hatcher, Section 1.3 #3

(4) Hatcher, Section 1.3 #5

(5) Hatcher, Section 1.3 #6

(6) Hatcher, Section 1.3 #7