Updated: moved 3.2.7 to the optional problems.

**Required problems:**
1. Hatcher 3.2.1 (p. 228).
2. Hatcher 3.2.2 (p. 228).
3. Hatcher 3.2.3 (p. 228).
4. Hatcher 3.2.4 (p. 229).

**Optional problems:**
5. Hatcher 3.2.5, 3.2.7, 3.2.6, 3.2.8, 3.2.9, 3.2.14. (These would all be good qual problems, though mostly on the harder end of what is asked.)

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