

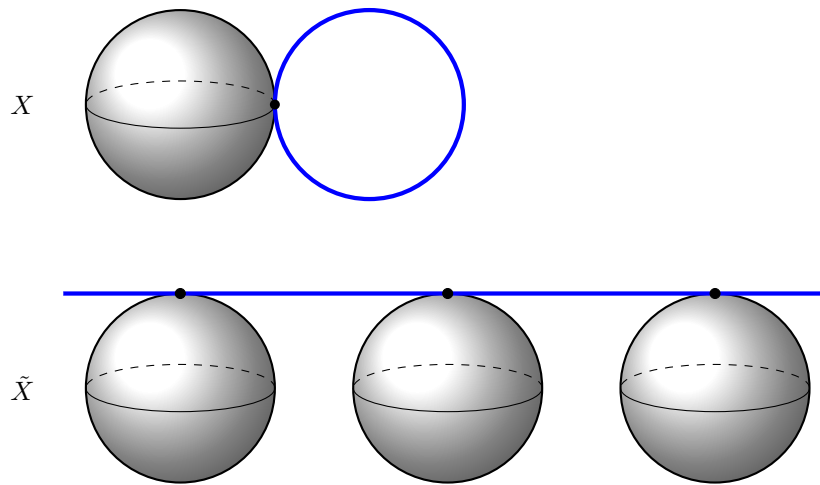
MAT598 - Additional Problem Set 05

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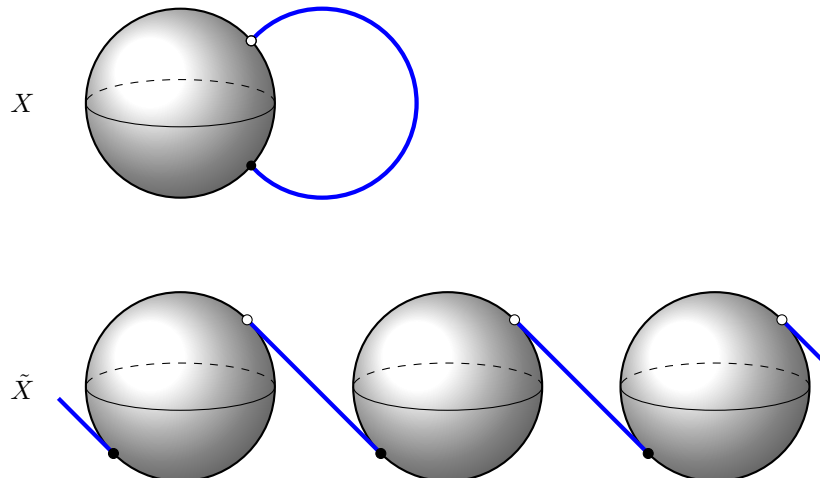
Fall 2015

Solutions will be posted as they are submitted to me.

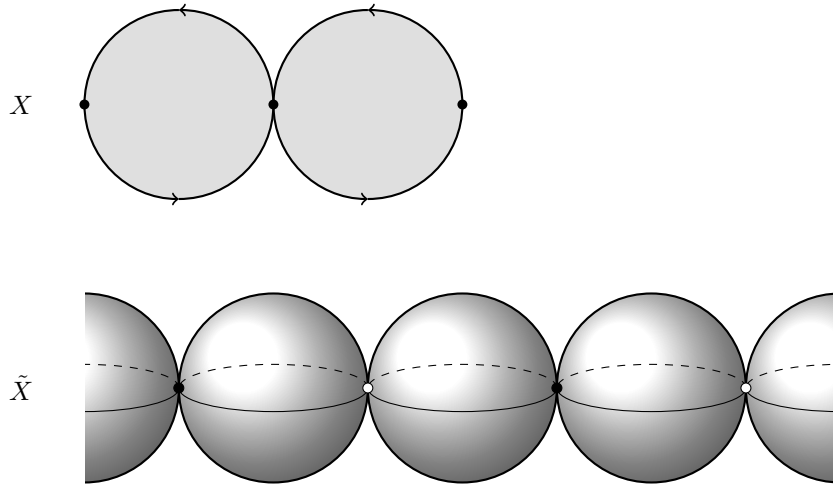
1. *INCOMPLETE*
2. *INCOMPLETE*
3. *INCOMPLETE*
4. *INCOMPLETE*
5. *INCOMPLETE*
6. *INCOMPLETE*
7. *INCOMPLETE*
 - a. $X = S^1 \vee S^2$



- b. The union of S^2 and an arc joining two distinct points of S^2 .

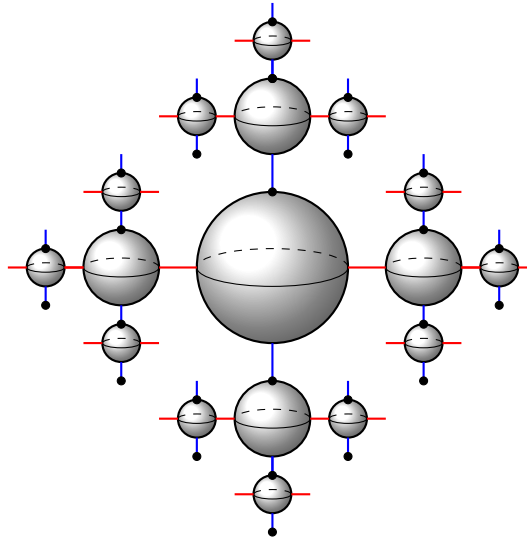


c. $\mathbb{RP}^2 \vee \mathbb{RP}^2$



d. *INCOMPLETE*

e. S^2 with two arcs joining two distinct pairs of points. *INCOMPLETE*



f. *INCOMPLETE*

g. *INCOMPLETE*

h. $S^1 \vee T^2$ where T^2 is the torus.

