

# Topology Quiz 10

Name \_\_\_\_\_

Here is an unknot  $K =$



1) Find a presentation for  $\pi_1(\mathbb{R}^3 - K)$  as shown.

2) Show that your group is  $\cong$  to  $\mathbb{Z}$ .

Here is the figure-8 knot:



3) Find a presentation for  $\pi_1(\mathbb{R}^3 - K)$ .