Math 31: Quiz 2   Name:_____

Instructions: Answer the following questions without consulting any outside source (such as notes or the textbook).

1. What does it mean to say that G is a *cyclic* group?

2. Rewrite the permutation $(136)(24) \in \mathcal{S}_6$ in array notation.

3. What is $|\mathcal{S}_6|$? (you may give a formula, if you know one)