

UW Math Circle
Homework

1. Find a one-to-one function from:

the collection of players on the Fighting Soccer Slugs
team

to

the collection of all other teams you can make using
only some of the Fighting Soccer Slugs players

2. Describe a correspondence between:

the collection of teams you can make using some of the
Serious Football Frogs players

and

the collection of ways you can hand out red and yellow
cards to the Serious Football Frogs, one card per player