

Quiz 2, Monday December 14.

NAME:

1. (10 points) Mark the squares that are followed by correct statements.

- ☐ The center of $SU(2)$ consists of 4 elements.
- ☐ $SU(2)$ contains a finite subgroup of cardinality 2009.
- ☐ Any subgroup of $SU(2)$ is finite.

2. (20 points) In the picture below, put letter D next to graphs that are finite Dynkin, letter A next to graphs that are affine, and letter I next to graphs that are indefinite.

