

Name \_\_\_\_\_ Date \_\_\_\_\_

**Description of Investigation and Student Report**  
**Be an Investigator**

The President of a company that makes sports equipment wants you to make a design to go on some of the equipment they manufacture. You can choose between a design for a skateboard, skis, snowboard, kite, or surfboard. You must follow the rules for creating the design.

**Information****Rules for Creating Design for Sports Equipment**

1. The design must be created in the first quadrant of the coordinate grid.
2. The design must be in at least one other quadrant. Use transformations to get the design in other quadrants.
3. The design must have a total area of between 95 and 105 square units. A unit is one square on the coordinate grid.
4. The design must have at least one line of symmetry.

Name \_\_\_\_\_ Date \_\_\_\_\_

**Be an Investigator**

**Student Report**

Here is my design for \_\_\_\_\_.