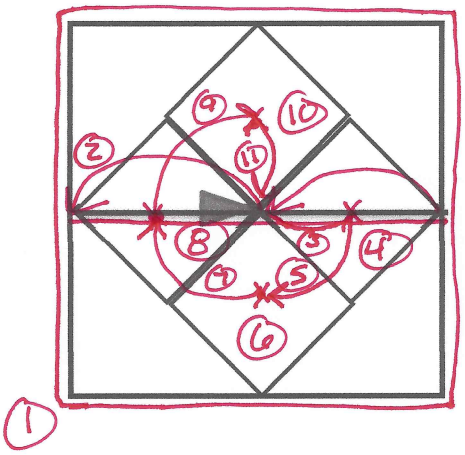
Name EXAM 1 REVIEW SOLUTION

2. Develop a strategy and write code using **drawSquareFromCenter(x)** to construct the following diamond figure *assuming the cursor begins as shown.* The user will enter **size1** which represents the size of the smaller squares. The cursor should be returned to its original position *using computations.* **There should be no computations in drawing commands, use intermediate variables for calculated values.**

Hint: Consider how the cursor must move in between each piece of the figure.

Draw a visual representation of the strategy you are proposing:



List the major tasks that are required to draw the diagram:

Tasks: (in no particular order)
- Draw large square
- Draw 4 diamonds around the origin
- Draw horizontal line
- Return cursor to origin

Now show the process you will follow in order to solve the problem. Each one of these will become a "TODO:" comment:

1. Draw large square centered around origin
2. Draw horizontal line
3. Position cursor to center of 1st diamond
4. Draw 1st diamond
5. Position cursor to center of 2nd diamond
6. Draw 2nd diamond
7. Position cursor to center of 3rd diamond
8. Draw 3rd diamond
9. Position cursor to center of 4th diamond
10. Draw 4th diamond
11. Return cursor to origin

NOTE: The above strategy does not contain any implementation details, e.g.; it does not mention how to move the cursor between diamonds...