Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_

**Lesson 4: Angles**

\*All exercises should be opened in the editor and ran in the terminal as stated in the introduction.

**Lesson 4:** Open the editor and then open lesson4a.hs. Look at the code and write down what you understand in the code. Run the code.

Questions:

1. What does the program do?
2. What does the b stand for in shownum (angle a b c)?

***Exercise:*** *Open lesson4b.hs in the editor. Look at the program and sketch a picture of what the program is doing?*

*Run the program to check.*

**Notes:**

***Lesson 4 Ending Exercises:***

***Exercise:*** *Open yourname\_lesson3f.hs*

*Manipulate the program to show the angle measures of the 3 angles in the large triangle and the three angles in the triangle created by the midpoints.*

*Save the program as yourname\_lesson4c.hs*

*Run the program to check*

***Question:*** *What do you notice about the angle measures in the large triangle compared with the smaller triangle?*

Questions:

1. What do you notice about the two angles that are drawn?
2. What does the program draw?
3. How does the program calculate where a’ should be?
4. What does the function drawArc (a,o,a’) do?