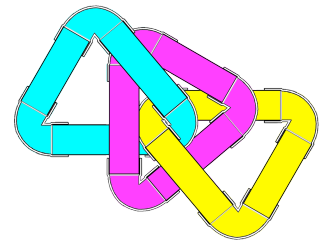
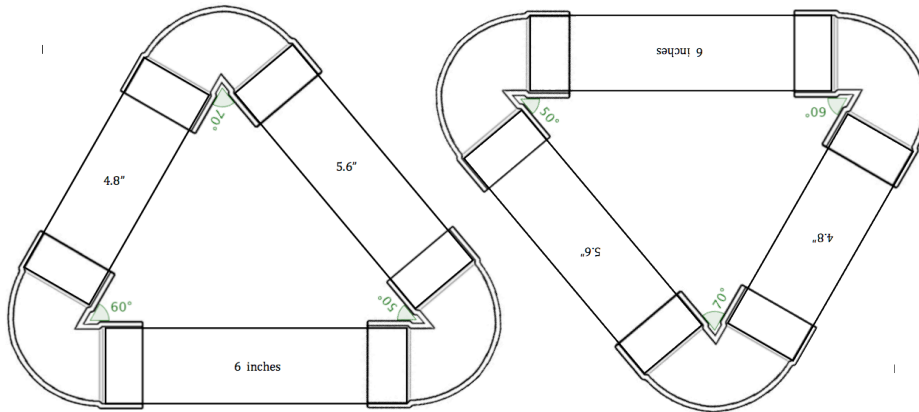


**2.1.2 How many DIFFERENT triangles?**

With your classmates, you created triangles from Louisa's pipe parts. Below, Identify whether or not the samples given are isometries of one another. If they are, you've created two versions of the same triangle.

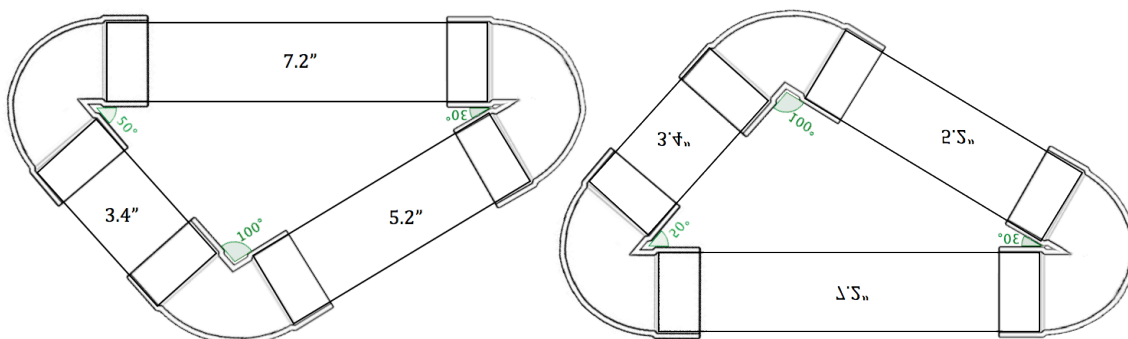


1. 60° elbow, 6 inch pipe, 50° elbow



Are they isometries? \_\_\_\_\_ If so, what transformation(s) would map the first image onto the second?

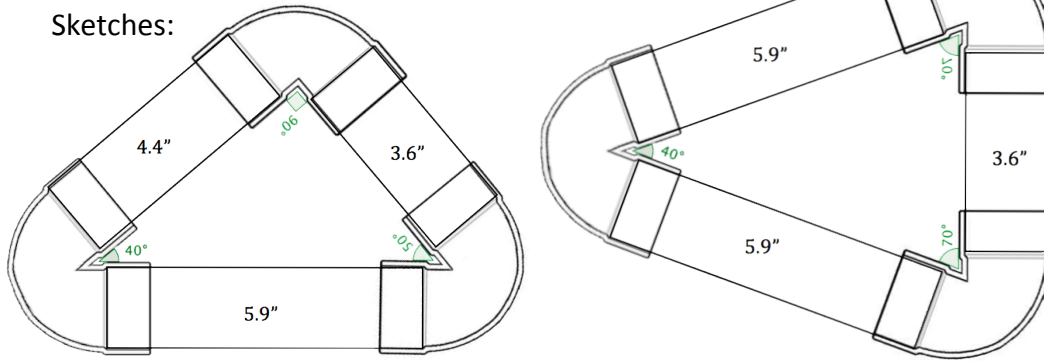
2. 3.4 inch pipe, 100° elbow, 5.2 inch pipe (in that order)



Are they isometries? \_\_\_\_\_ If so, what transformation(s) would map the first image onto the second?

3. 40° elbow, 5.9 inch pipe, 3.6 inch pipe (in that order)

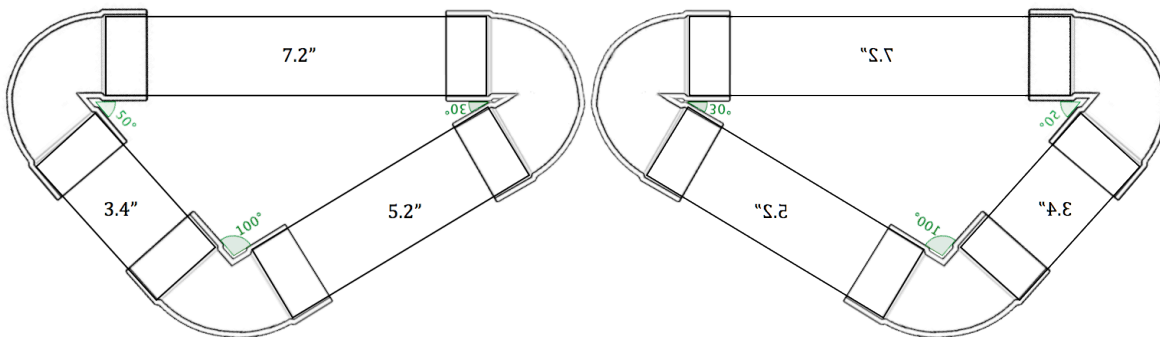
Sketches:



Are they isometries? \_\_\_\_\_ If so, what transformation(s) would map the first image onto the second?

4. 7.2 inch pipe, 3.4 inch pipe, 5.2 inch pipe (in any order)

Sketches:



Are they isometries? \_\_\_\_\_ If so, what transformation(s) would map the first image onto the second?