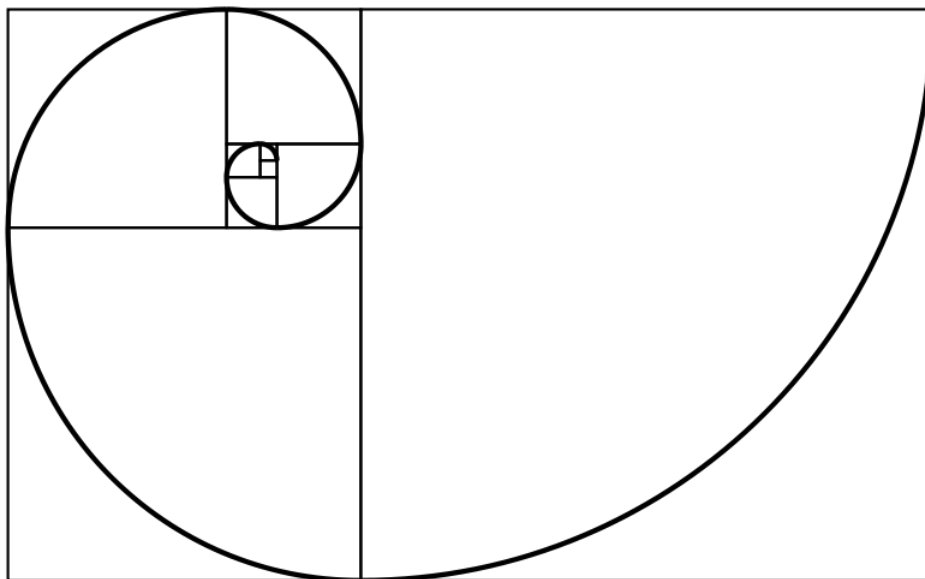


Names: \_\_\_\_\_ Date: \_\_\_\_\_

## Brainstorming Squares!

Take a good look at the picture below. How, *mathematically*, do all those squares relate to one another? Sure, they make a beautiful, organized picture, but there is much more to it than that!



**You and your partner have five minutes to make measurements of those squares and try to find out how they relate to each other.** For example, can you add the lengths of two squares to equal the length of another square? Or can you subtract the length of one square from another square and have that equal the length of a third square? Find out!

**Mathematical observation #1:**

**Mathematical observation #2:**

**Mathematical observation #3:**