Student Worksheet

Name_____ **Date**_____

Note: We do not leave enough room for copy and past activities in order to display the questions in fewer pages.

Directions:

- Use the file " Spirals.gsp" to enter the numbers.

1. Define rational numbers.

2. Define irrational numbers.

3. Enter the following rational numbers ($1/4, 1/5, 1/8, 7/10$) :

1st Rational: $1/4$ Copy and Paste the GSP result in the space provided below:

2nd Rational: $1/5$ Copy and Paste the GSP result in the space provided below:

3rd Rational: $1/8$ Copy and Paste the GSP result in the space provided below:

4th Rational $7/10$ Copy and Paste the GSP result in the space provided below:

4. Enter the following irrational numbers ($\pi, e, \sqrt{2}$).

1st Irrational: e Copy and Paste the GSP result in the space provided below:

2nd Irrational: π Copy and Paste the GSP result in the space provided below:

3rd Irrational: $\sqrt{2}$ Copy and Paste the GSP result in the space provided below:

5. Compare the sketches from questions 3 and 4, and describe the similarities and differences of each sketch focusing on rational and irrational number behaviors.