Name _____ Date _____ Class _____

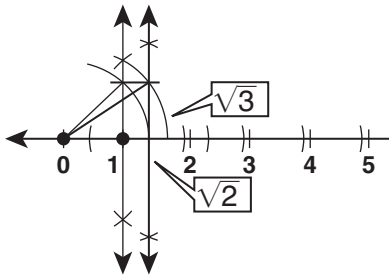
LESSON 5-8

Geometry Lab Recording Sheet p. 363

Graph Irrational Numbers

Try This

1. Sketch the two right triangles from Step 6.



Label the side lengths and use the Pythagorean Theorem to show why the construction is correct. _____

2. Construct $\sqrt{4}$ and verify that it is equal to 2.

3. Construct $\sqrt{5}$ through $\sqrt{9}$ and verify that $\sqrt{9}$ is equal to 3.

4. Set your compass to the length of the segment from 0 to $\sqrt{2}$. Mark off another segment of length $\sqrt{2}$ to show that $\sqrt{8}$ is equal to $2\sqrt{2}$.

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