

### Worksheet 8.1- Pythagorean Theorem

1. Continue the table that was started in the investigation. Use grid paper to draw each triangle, so that you can see the area of the squares related to the sides. Complete the task for at least 4 more right triangles.

<b>a</b>	<b>b</b>	<b>c</b>	<b>a<sup>2</sup></b>	<b>b<sup>2</sup></b>	<b>a<sup>2</sup> + b<sup>2</sup></b>	<b>c<sup>2</sup></b>
3	4	5	9	16	25	25

2. If you downloaded the examples in the Geometer's Sketchpad, click on 'file' (top menu), then 'open', then '[samples]' in the directory list. Then select '[sketches]' from the new directory list, and then '[pythag]'. There will be a list of files (possibly 4) which provide various demonstrations about the proofs for the Pythagorean Theorem. Complete these activities.