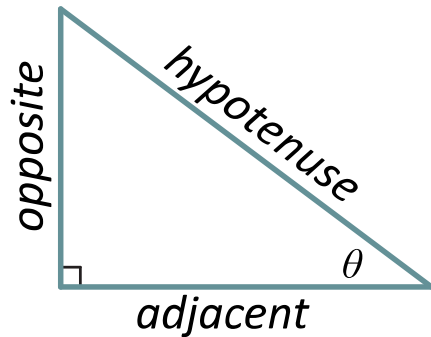


## SECRET AGENT PYTHAGORAS



### Step 1

Use the labels from the figure above to write the Pythagorean theorem.

### Step 2

Divide both sides of your equation by  $(\text{hypotenuse})^2$  and simplify.

### Step 3

Your final result from Step 2 is a Pythagorean identity. Find another Pythagorean identity by dividing your result from Step 2 by  $(\sin \theta)^2$ .

### Step 4

Find yet another Pythagorean identity by dividing your result from Step 2 by  $(\cos \theta)^2$ .