

Pythagorean Theorem

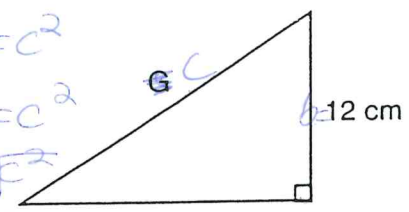
Skill: finding the length of the hypotenuse

Name Key

What famous swine created the frescoes on the ceiling of the Pigstine Chapel?

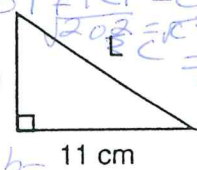
To find out, use a table of square roots or a calculator to find the length of each hypotenuse to the nearest thousandth. Then, put the corresponding letter above each answer at the bottom of the page.

$a^2 + b^2 = c^2$
 $21^2 + 12^2 = c^2$
 $441 + 144 = c^2$
 $585 = c^2$
 $\sqrt{585} = c$
24.200 = c



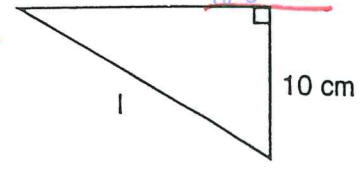
G

$a^2 + b^2 = c^2$
 $9^2 + 11^2 = c^2$
 $81 + 121 = c^2$
 $202 = c^2$
 $\sqrt{202} = c$
14.2 = c



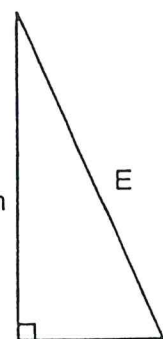
E

$16^2 + 10^2 = c^2$
 $256 + 100 = c^2$
 $356 = c^2$
 $\sqrt{356} = c$
18.8 = c



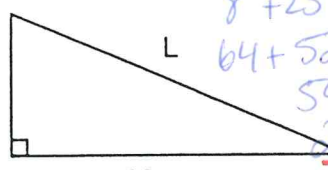
I

$22^2 + 8^2 = c^2$
 $484 + 64 = c^2$
 $548 = c^2$
 $\sqrt{548} = c$
23.4 = c



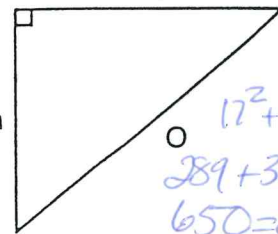
E

$8^2 + 23^2 = c^2$
 $64 + 529 = c^2$
 $593 = c^2$
 $\sqrt{593} = c$
24.4 = c



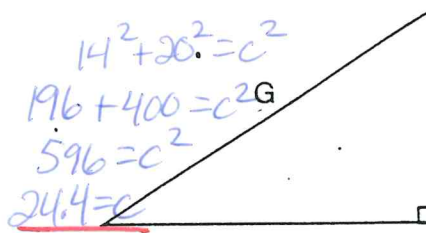
L

$17^2 + 19^2 = c^2$
 $289 + 361 = c^2$
 $650 = c^2$
 $\sqrt{650} = c$
25.5 = c



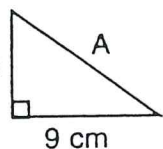
O

$14^2 + 20^2 = c^2$
 $196 + 400 = c^2$
 $596 = c^2$
 $\sqrt{596} = c$
24.4 = c



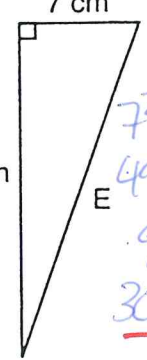
G

$5^2 + 9^2 = c^2$
 $25 + 81 = c^2$
 $106 = c^2$
 $\sqrt{106} = c$
10.3 = c



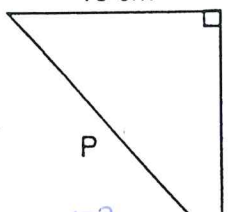
A

$7^2 + 30^2 = c^2$
 $49 + 900 = c^2$
 $949 = c^2$
 $\sqrt{949} = c$
30.8 = c



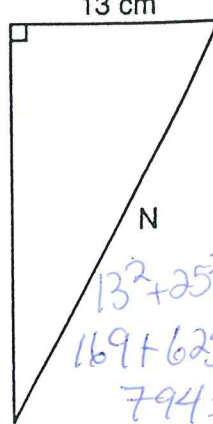
E

$15^2 + 16^2 = c^2$
 $225 + 256 = c^2$
 $481 = c^2$
 $\sqrt{481} = c$
21.9 = c



P

$13^2 + 25^2 = c^2$
 $169 + 625 = c^2$
 $794 = c^2$
 $\sqrt{794} = c$
28.2 = c



N

P	I	G	E	L	A	N	G	E	L	O
21.932	18.868	24.187	30.806	24.352	10.296	28.178	24.413	23.409	14.213	25.495
cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm