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## 1.10 Geometric Meanies

### *A Solidify and Practice Understanding Task*

Each of the tables below represents a geometric sequence. Find the missing terms in the sequence, showing your method.

**Table 1**

$x$	1	2	3
$y$	3		12

Is the missing term that you identified the only answer? Why or why not?

**Table 2**

$x$	1	2	3	4
$y$	7			875

Are the missing terms that you identified the only answers? Why or why not?

**Table 3**

$x$	1	2	3	4	5
$y$	6				96

Are the missing terms that you identified the only answers? Why or why not?

**Table 4**

$x$	1	2	3	4	5	6
$y$	4					972

Are the missing terms that you identified the only answers? Why or why not?

**A.** Describe your method for finding the geometric means.

**B.** How can you tell if there will be more than one solution for the geometric means?