

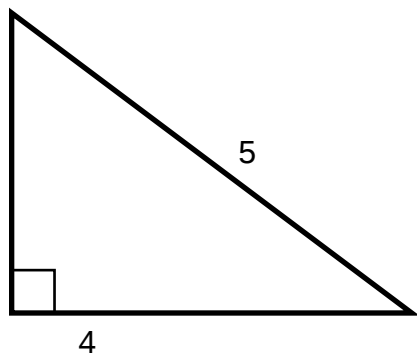
Name : _____

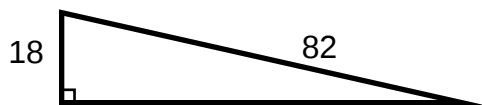
Score : _____

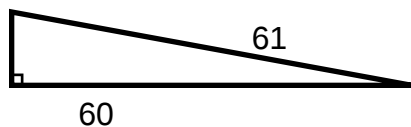
Teacher : _____

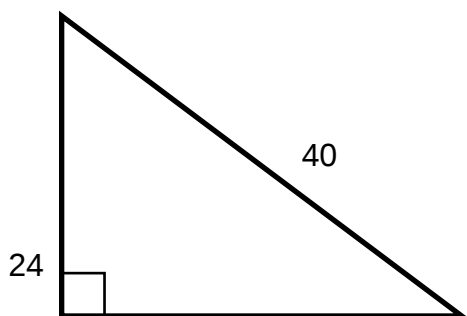
Date : _____

Find the length of the third side of each triangle.









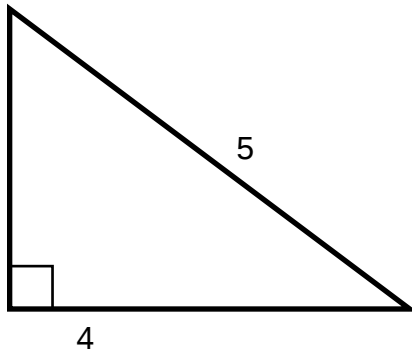


Name : _____

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Teacher : _____

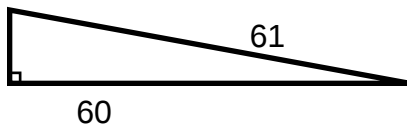
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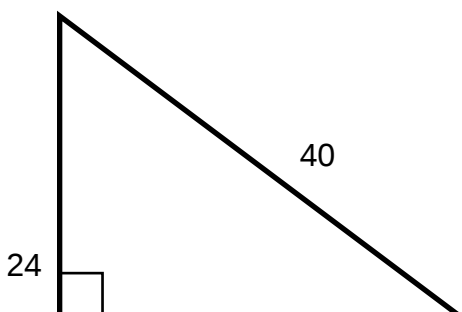
$$\begin{aligned}
 a^2 + 4^2 &= 5^2 \\
 a^2 + 16 &= 25 \\
 a^2 &= 25 - 16 \\
 a^2 &= 9 \\
 a &= \sqrt{9} \\
 a &= 3
 \end{aligned}$$



$$\begin{aligned}
 18^2 + b^2 &= 82^2 \\
 324 + b^2 &= 6724 \\
 b^2 &= 6724 - 324 \\
 b^2 &= 6400 \\
 b &= \sqrt{6400} \\
 b &= 80
 \end{aligned}$$



$$\begin{aligned}
 a^2 + 60^2 &= 61^2 \\
 a^2 + 3600 &= 3721 \\
 a^2 &= 3721 - 3600 \\
 a^2 &= 121 \\
 a &= \sqrt{121} \\
 a &= 11
 \end{aligned}$$



$$\begin{aligned}
 24^2 + b^2 &= 40^2 \\
 576 + b^2 &= 1600 \\
 b^2 &= 1600 - 576 \\
 b^2 &= 1024 \\
 b &= \sqrt{1024} \\
 b &= 32
 \end{aligned}$$

