

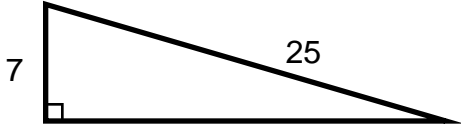
Name : _____

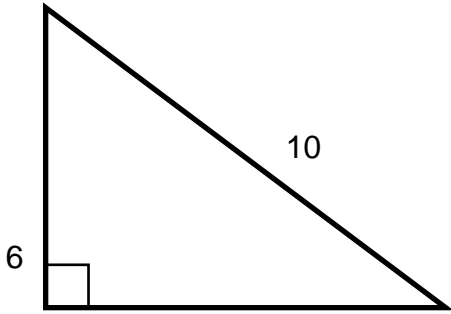
Score : _____

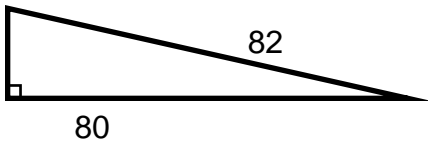
Teacher : _____

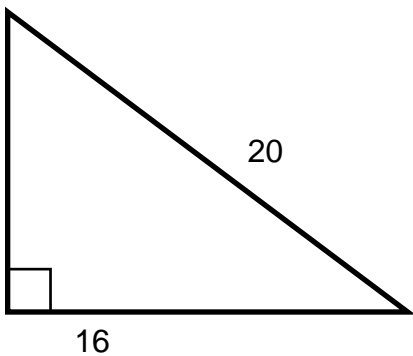
Date : _____

Find the length of the third side of each triangle.











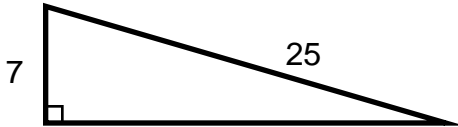
Name : _____

Score : _____

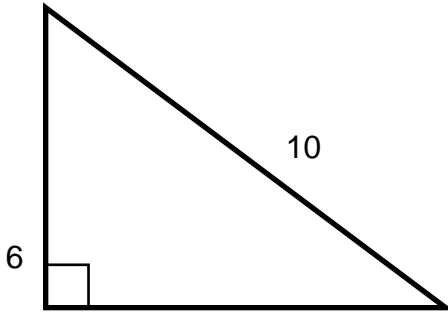
Teacher : _____

Date : _____

Find the length of the third side of each triangle.



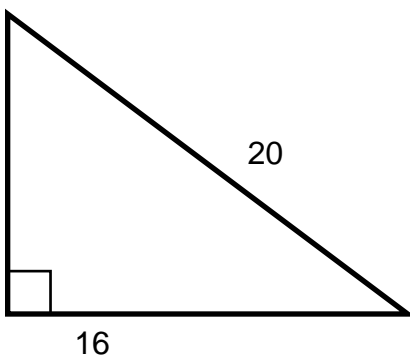
$$\begin{aligned}7^2 + b^2 &= 25^2 \\49 + b^2 &= 625 \\b^2 &= 625 - 49 \\b^2 &= 576 \\b &= \sqrt{576} \\b &= 24\end{aligned}$$



$$\begin{aligned}6^2 + b^2 &= 10^2 \\36 + b^2 &= 100 \\b^2 &= 100 - 36 \\b^2 &= 64 \\b &= \sqrt{64} \\b &= 8\end{aligned}$$



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



$$\begin{aligned}a^2 + 16^2 &= 20^2 \\a^2 + 256 &= 400 \\a^2 &= 400 - 256 \\a^2 &= 144 \\a &= \sqrt{144} \\a &= 12\end{aligned}$$

