

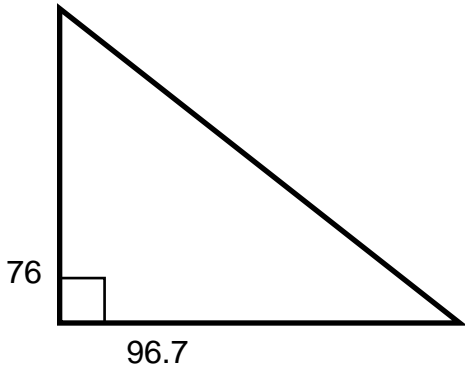
Name : _____

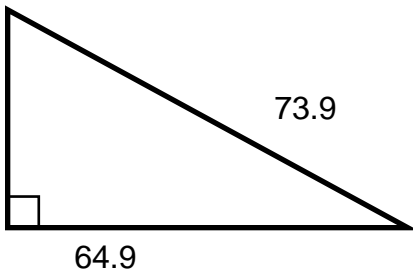
Score : _____

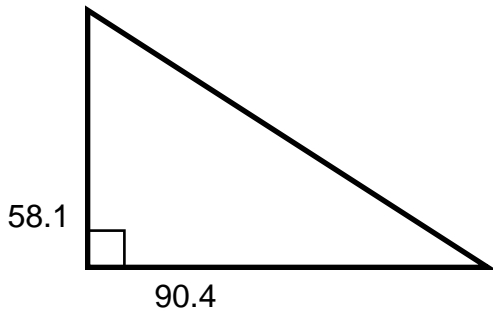
Teacher : _____

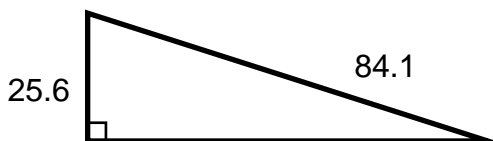
Date : _____

Find the length of the third side of each triangle.











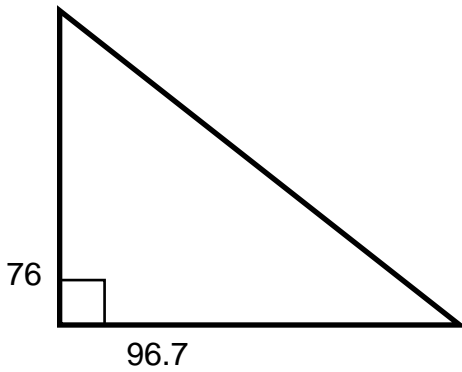
Name : _____

Score : _____

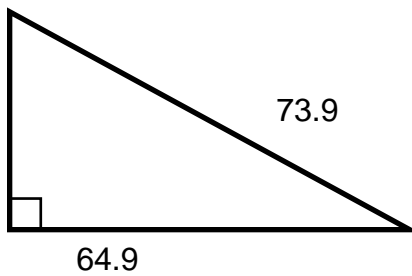
Teacher : _____

Date : _____

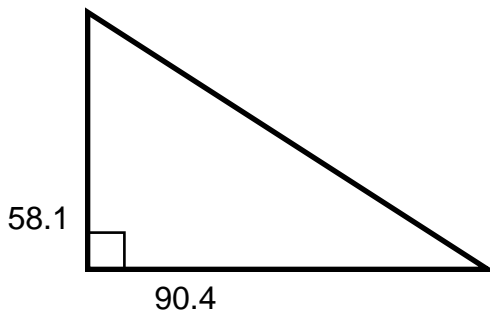
Find the length of the third side of each triangle.



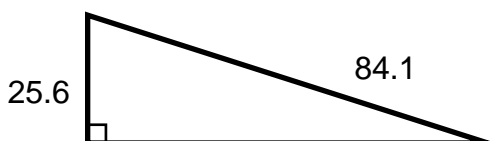
$$\begin{aligned}76^2 + 96.7^2 &= c^2 \\5776 + 9350.89 &= c^2 \\15126.89 &= c^2 \\\sqrt{15126.89} &= c \\122.9914 &\approx c\end{aligned}$$



$$\begin{aligned}a^2 + 64.9^2 &= 73.9^2 \\a^2 + 4212.01 &= 5461.21 \\a^2 &= 5461.21 - 4212.01 \\a^2 &= 1249.2 \\a &= \sqrt{1249.2} \\a &\approx 35.344\end{aligned}$$



$$\begin{aligned}58.1^2 + 90.4^2 &= c^2 \\3375.61 + 8172.16 &= c^2 \\11547.77 &= c^2 \\\sqrt{11547.77} &= c \\107.4606 &\approx c\end{aligned}$$



$$\begin{aligned}25.6^2 + b^2 &= 84.1^2 \\655.36 + b^2 &= 7072.81 \\b^2 &= 7072.81 - 655.36 \\b^2 &= 6417.45 \\b &= \sqrt{6417.45} \\b &\approx 80.109\end{aligned}$$

