



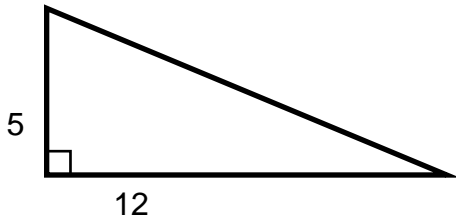
Name : \_\_\_\_\_

Score : \_\_\_\_\_

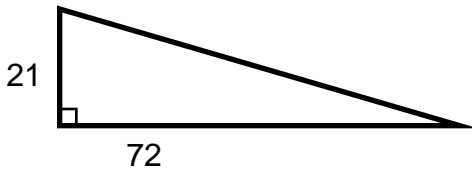
Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

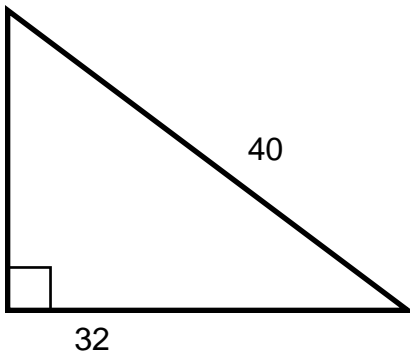
**Find the length of the third side of each triangle.**



$$\begin{aligned}5^2 + 12^2 &= c^2 \\25 + 144 &= c^2 \\169 &= c^2 \\\sqrt{169} &= c \\13 &= c\end{aligned}$$



$$\begin{aligned}21^2 + 72^2 &= c^2 \\441 + 5184 &= c^2 \\5625 &= c^2 \\\sqrt{5625} &= c \\75 &= c\end{aligned}$$



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



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

