

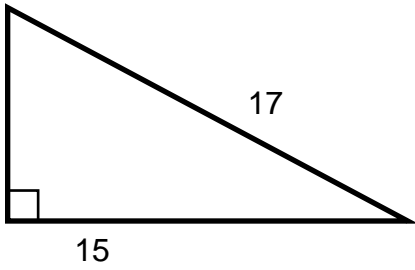
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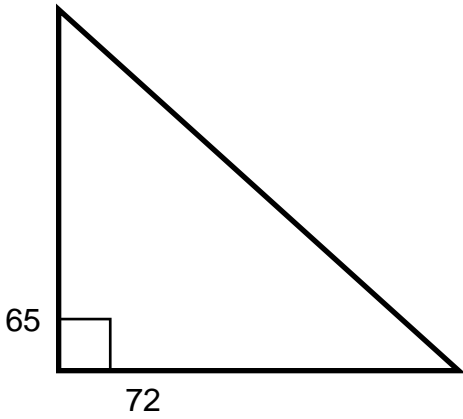
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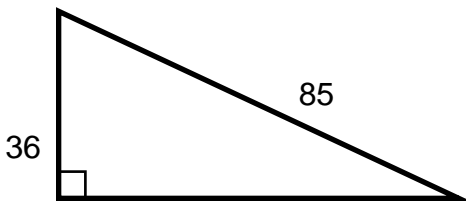
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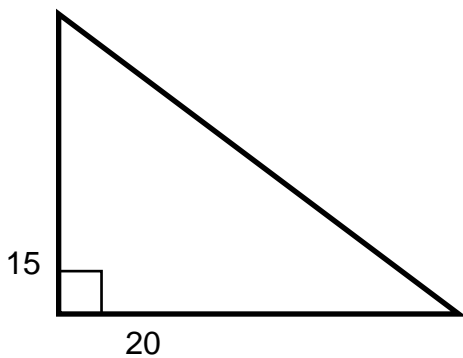
Date : _____

Find the length of the third side of each triangle.











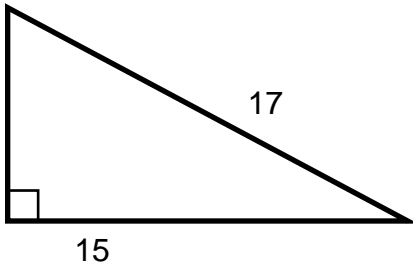
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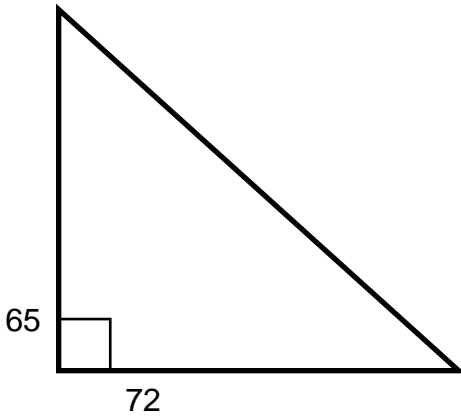
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Date : _____

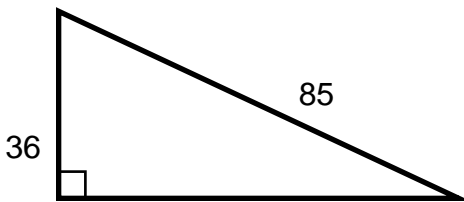
Find the length of the third side of each triangle.



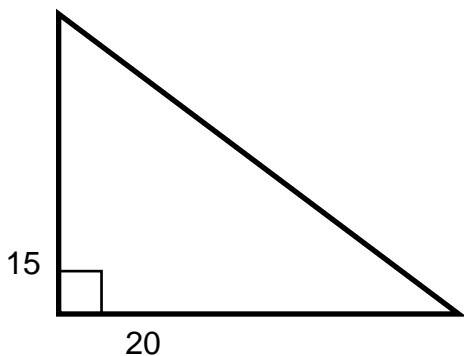
$$\begin{aligned} a^2 + 15^2 &= 17^2 \\ a^2 + 225 &= 289 \\ a^2 &= 289 - 225 \\ a^2 &= 64 \\ a &= \sqrt{64} \\ a &= 8 \end{aligned}$$



$$\begin{aligned} 65^2 + 72^2 &= c^2 \\ 4225 + 5184 &= c^2 \\ 9409 &= c^2 \\ \sqrt{9409} &= c \\ 97 &= c \end{aligned}$$



$$\begin{aligned} 36^2 + b^2 &= 85^2 \\ 1296 + b^2 &= 7225 \\ b^2 &= 7225 - 1296 \\ b^2 &= 5929 \\ b &= \sqrt{5929} \\ b &= 77 \end{aligned}$$



$$\begin{aligned} 15^2 + 20^2 &= c^2 \\ 225 + 400 &= c^2 \\ 625 &= c^2 \\ \sqrt{625} &= c \\ 25 &= c \end{aligned}$$

