

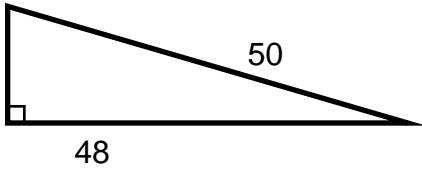
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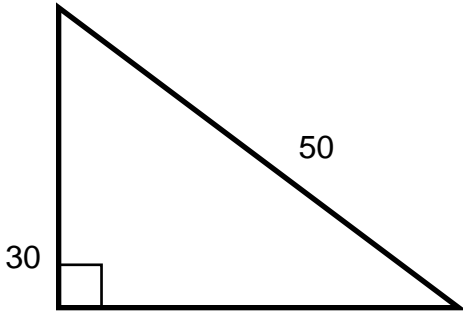
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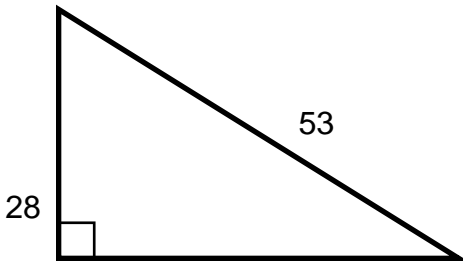
Teacher : _____

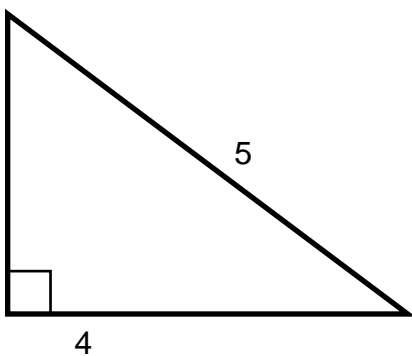
Date : _____

Find the length of the third side of each triangle.









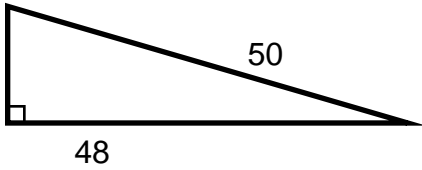
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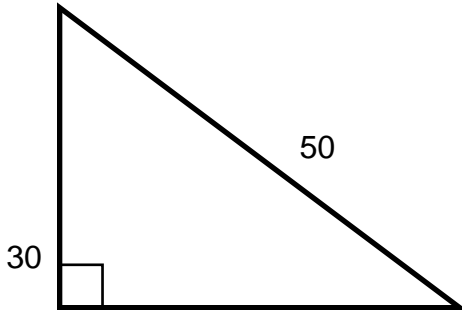
Teacher : _____

Date : _____

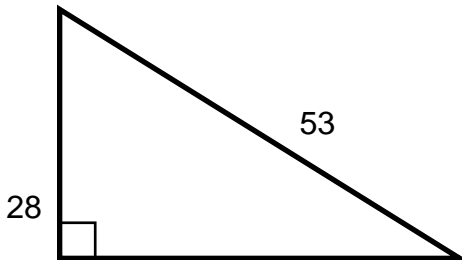
Find the length of the third side of each triangle.



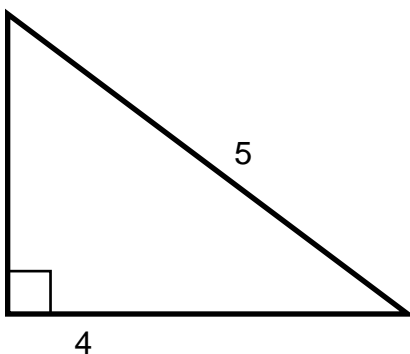
$$\begin{aligned} a^2 + 48^2 &= 50^2 \\ a^2 + 2304 &= 2500 \\ a^2 &= 2500 - 2304 \\ a^2 &= 196 \\ a &= \sqrt{196} \\ a &= 14 \end{aligned}$$



$$\begin{aligned} 30^2 + b^2 &= 50^2 \\ 900 + b^2 &= 2500 \\ b^2 &= 2500 - 900 \\ b^2 &= 1600 \\ b &= \sqrt{1600} \\ b &= 40 \end{aligned}$$



$$\begin{aligned} 28^2 + b^2 &= 53^2 \\ 784 + b^2 &= 2809 \\ b^2 &= 2809 - 784 \\ b^2 &= 2025 \\ b &= \sqrt{2025} \\ b &= 45 \end{aligned}$$



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