

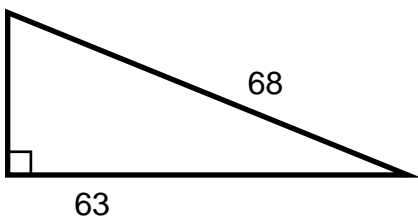
Name : \_\_\_\_\_

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

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

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

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



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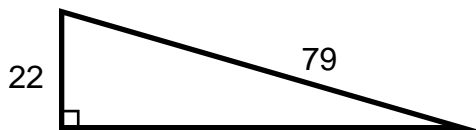
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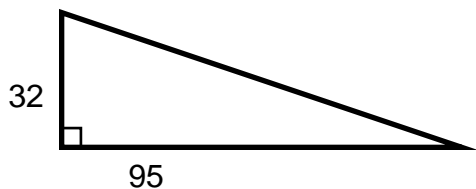
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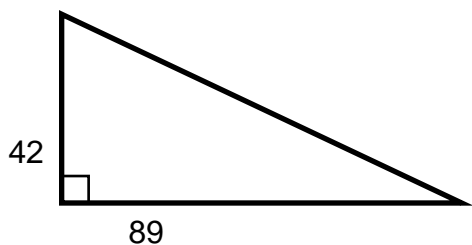
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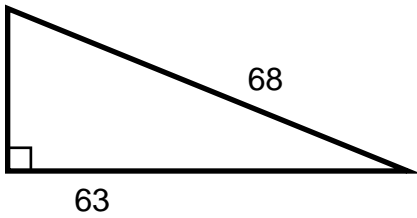
Name : \_\_\_\_\_

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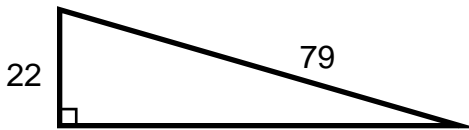
Teacher : \_\_\_\_\_

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

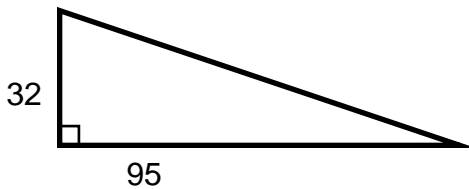
**Find the length of the third side of each triangle.**



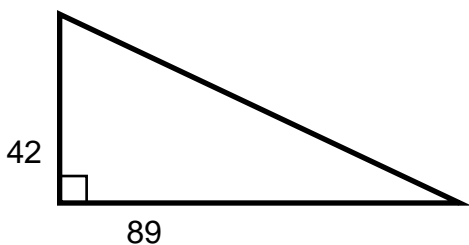
$$\begin{aligned} a^2 + 63^2 &= 68^2 \\ a^2 + 3969 &= 4624 \\ a^2 &= 4624 - 3969 \\ a^2 &= 655 \\ a &= \sqrt{655} \\ a &\approx 25.593 \end{aligned}$$



$$\begin{aligned} 22^2 + b^2 &= 79^2 \\ 484 + b^2 &= 6241 \\ b^2 &= 6241 - 484 \\ b^2 &= 5757 \\ b &= \sqrt{5757} \\ b &\approx 75.8749 \end{aligned}$$



$$\begin{aligned} 32^2 + 95^2 &= c^2 \\ 1024 + 9025 &= c^2 \\ 10049 &= c^2 \\ \sqrt{10049} &= c \\ 100.2447 &\approx c \end{aligned}$$



$$\begin{aligned} 42^2 + 89^2 &= c^2 \\ 1764 + 7921 &= c^2 \\ 9685 &= c^2 \\ \sqrt{9685} &= c \\ 98.4124 &\approx c \end{aligned}$$

