Given the right triangle below, find the missing side length.


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## P.2: Missing Side Length

1) What are the similarities and differences between Kaden and Maddie's methods?

| Similarities | Differences |
| :--- | :--- |
|  |  |
|  |  |

2) Kaden and Maddie got different answers. Can they both be correct? If not, who is correct, and how do you know?
3) Does it matter that Maddie used 9 for $a$ and 12 for $b$ ? Why, or why not?
4) Find the missing side of the right triangle in the diagram.


I'm so frustrated with myself! How could I forget that you have to square the side lengths before adding them, and then you have to take the square root to get your final answer?

Pythagoras would be so mad at me...

