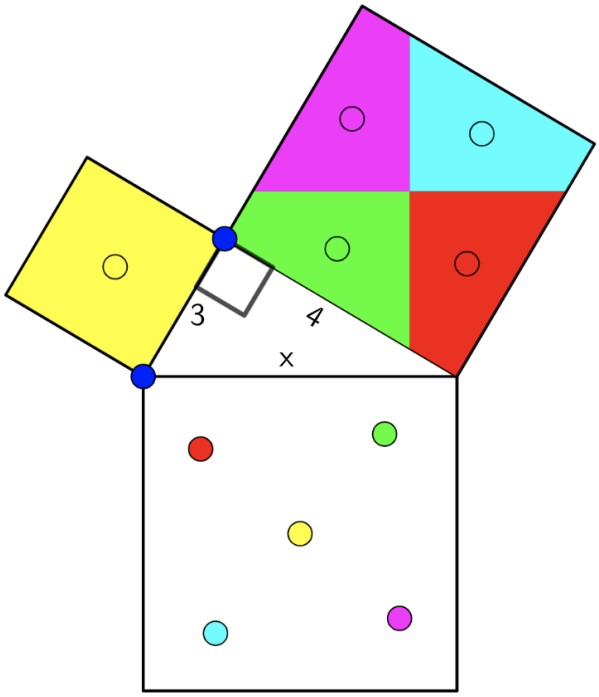
Task 1

Here, we have a right triangle with squares built off its sides.



Given the information in the diagram above:

1) What is the area of the smallest square?

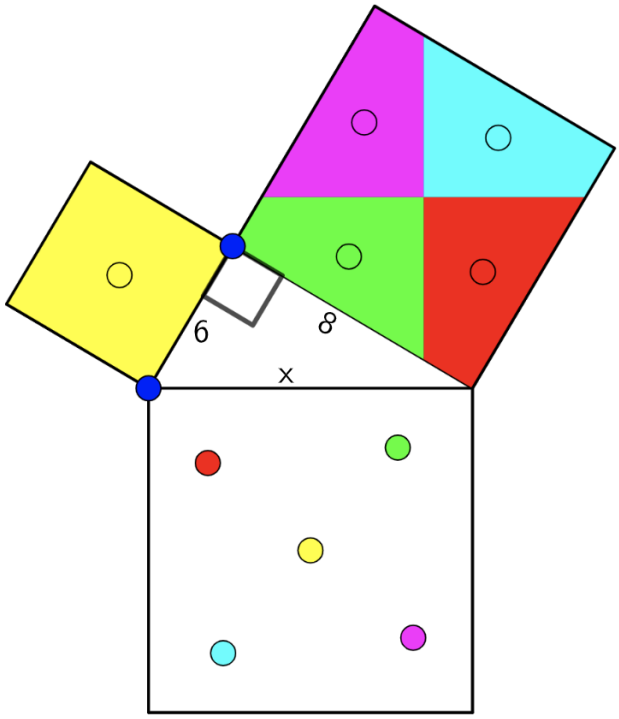
2) What is the area of the medium-sized square?

3) Given what you see here in this GeoGebra app, what would the area of the largest square be?

4) Given your answer to (3), What would the side length (x) of the largest square be?

Task 2

Here, we have a right triangle with squares built off its sides.



Given the information in the diagram above:

1) What is the area of the smallest square?

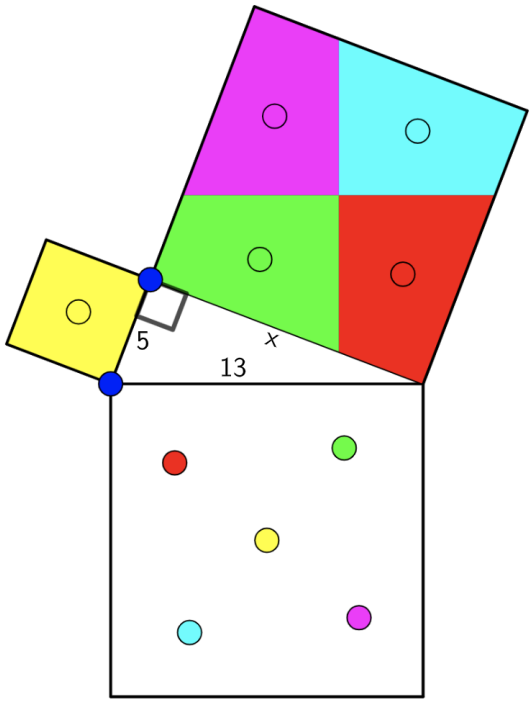
2) What is the area of the medium-sized square?

3) Given what you see here in this GeoGebra app, what would the area of the largest square be?

4) Given your answer to (3), What would the side length (x) of the largest square be?

Task 3

Here, we have a right triangle with squares built off its sides.



Given the information in the diagram above:

1) What is the area of the smallest square?

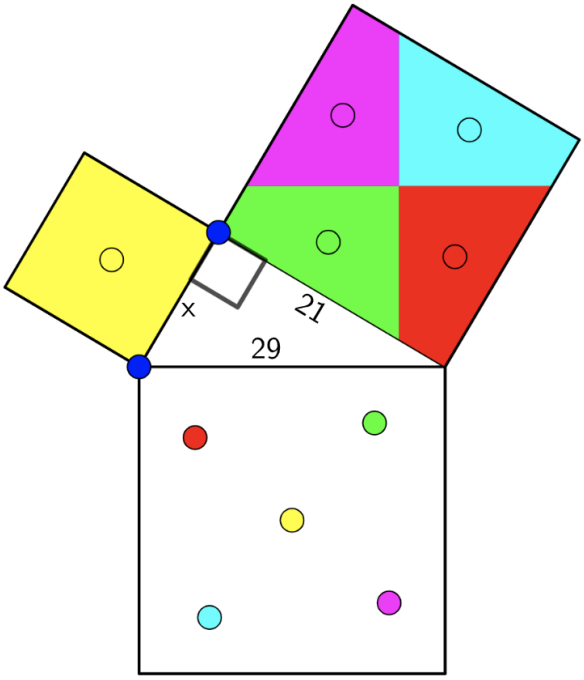
2) What is the area of the largest square?

3) Given what you see here in this GeoGebra app, what would the area of the medium-sized square be?

4) Given your answer to (3), What would the side length (x) of the medium-sized square be?

Task 4

Here, we have a right triangle with squares built off its sides.



Given the information in the diagram above:

1) What is the area of the medium-sized square?

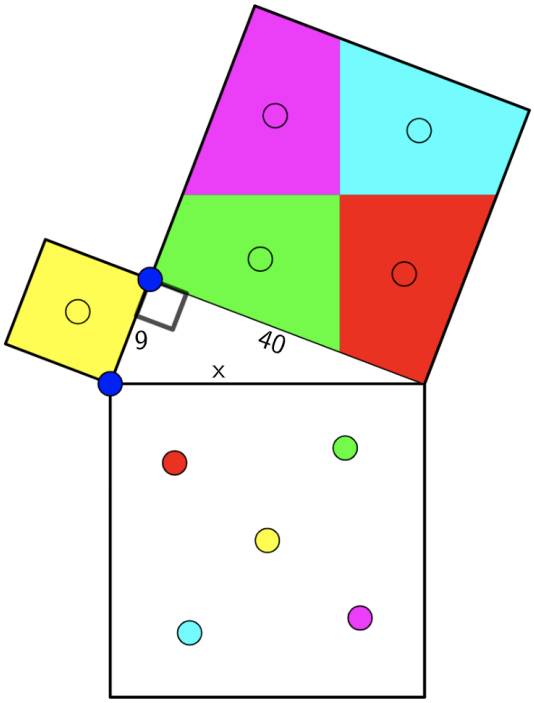
2) What is the area of the largest square?

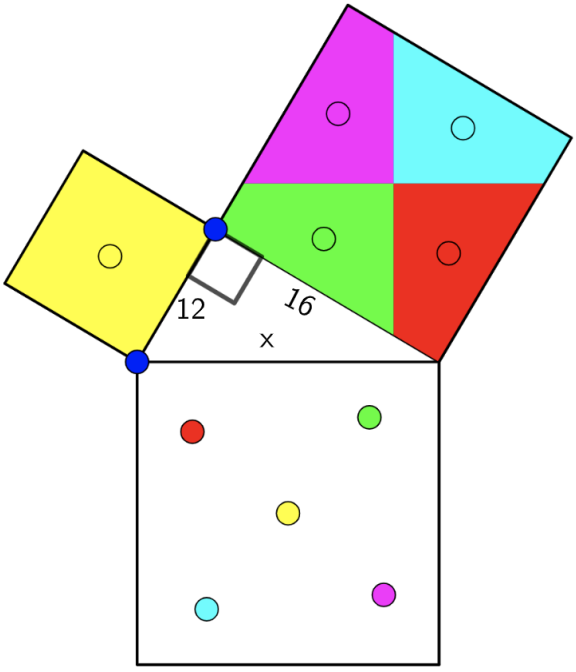
3) Given what you see here in this GeoGebra app, what would the area of the smallest square be?

4) Given your answer to (3), What would the side length (x) of the smallest square be?

Task 5

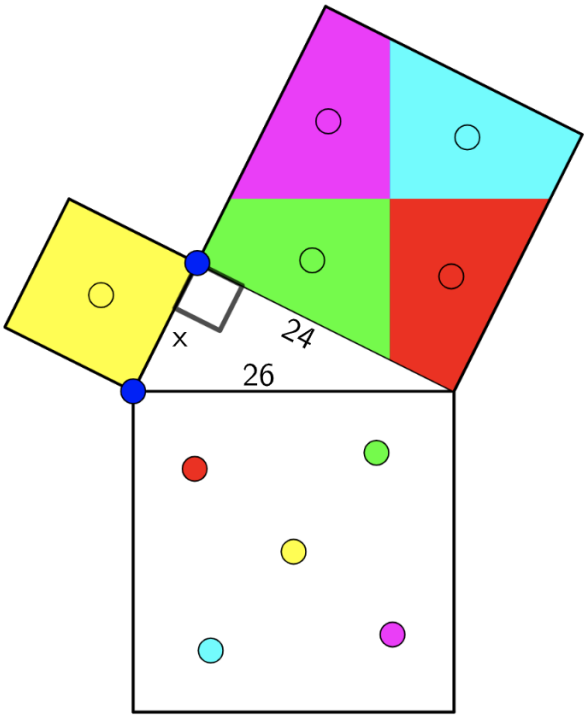
Determine the missing side of each right triangle shown. Be sure to show (evidence) your thought process along the way!

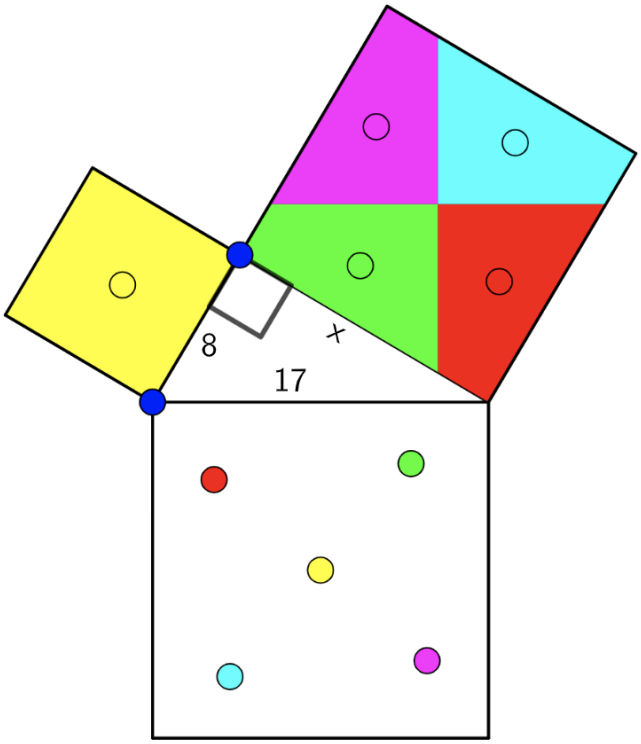




Task 6

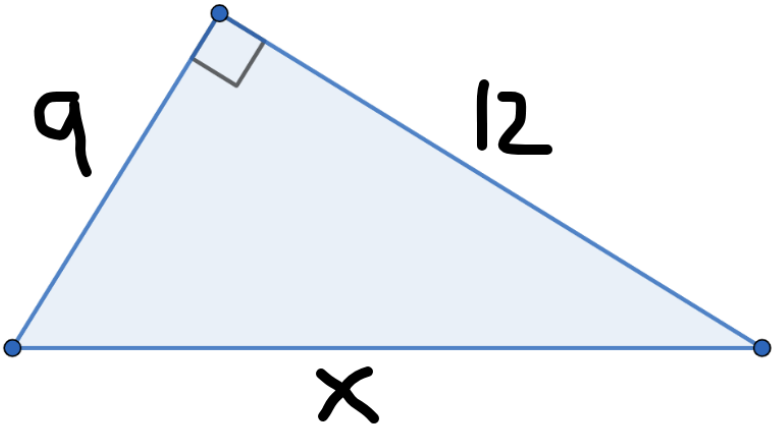
Determine the missing side of each right triangle shown. Be sure to show (evidence) your thought process along the way!

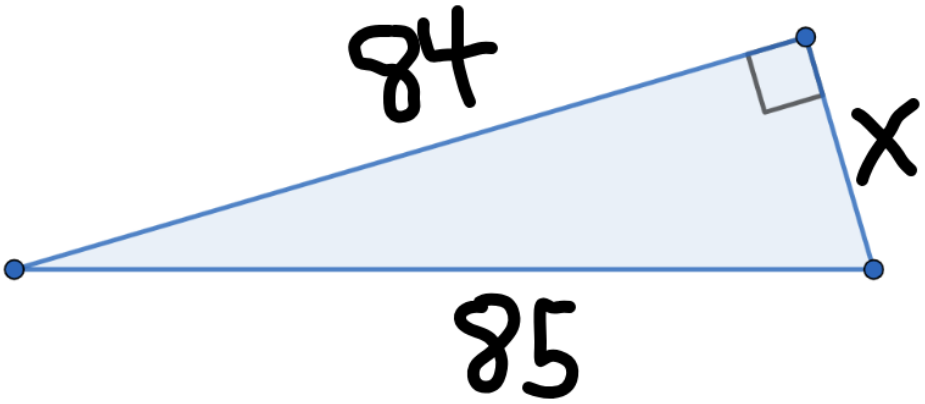


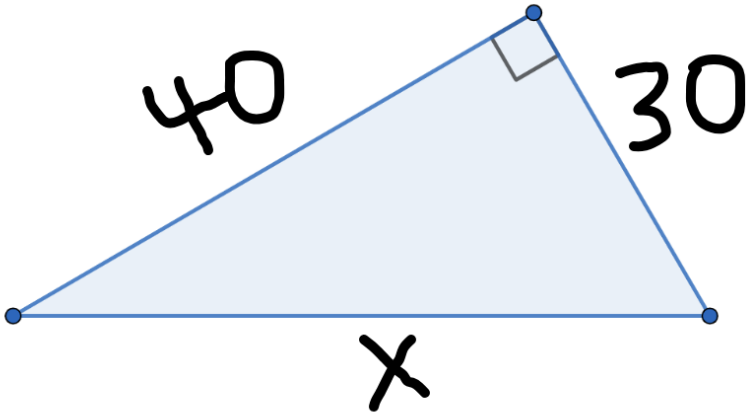


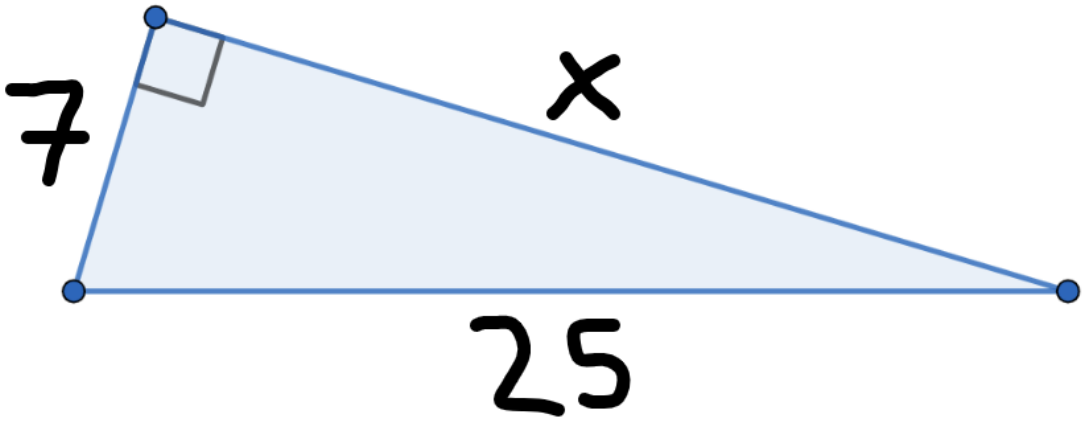
Task 7

Determine the missing side length of each right triangle shown below. Be sure to show (evidence) your thought process along the way!






40
30
X


7
X
25