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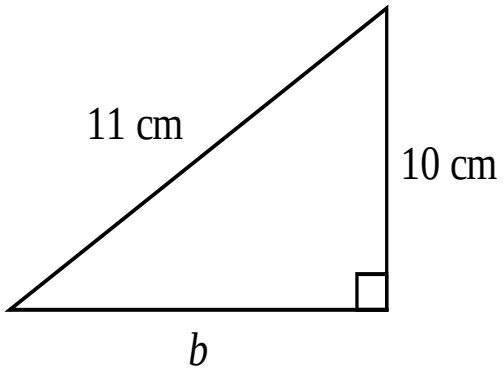

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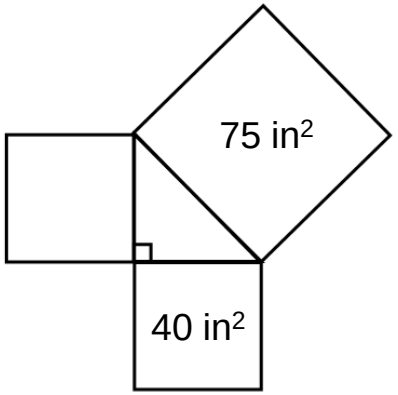
Find the area of the smallest square.



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The lengths of two sides of a right triangle are leg: 12 inches and hypotenuse: 13 inches. Find the length of the third side.

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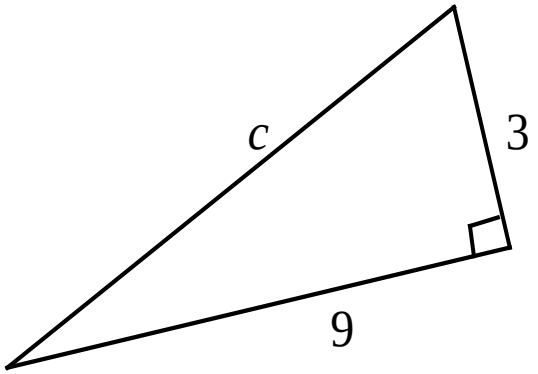

Problem 5:

Find the distance between the points (5, 1) and (2, 5).

Problem 6:

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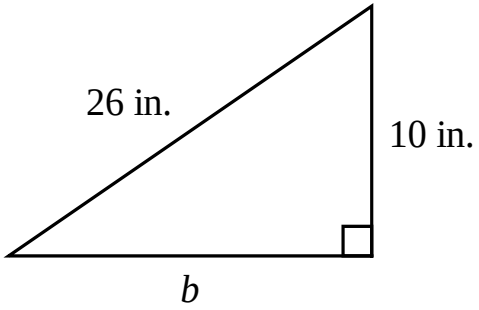

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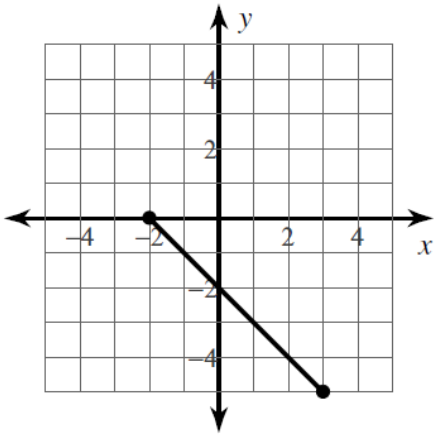

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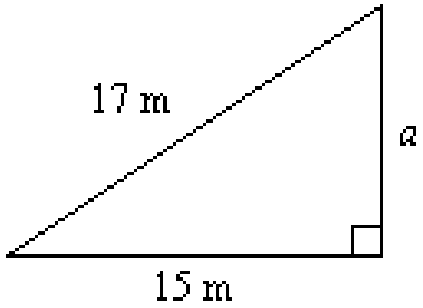

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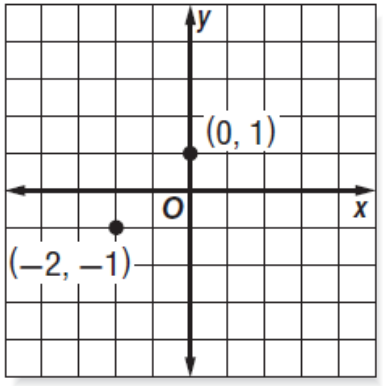

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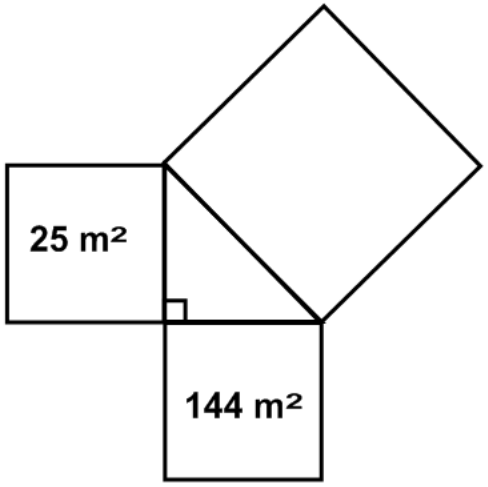
The bottom of a 15-foot ladder is placed 5 feet from the side of a building. How far above the ground will the ladder reach? Round to the nearest tenth.

Problem 14:

What is the length of the hypotenuse?



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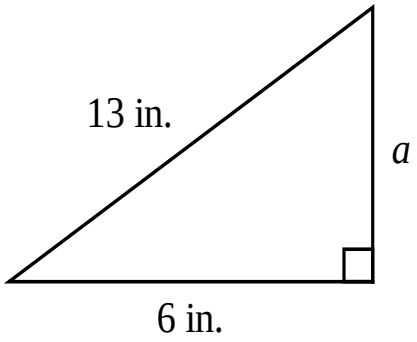

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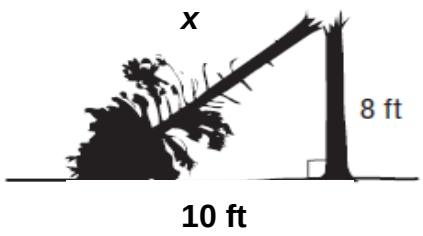

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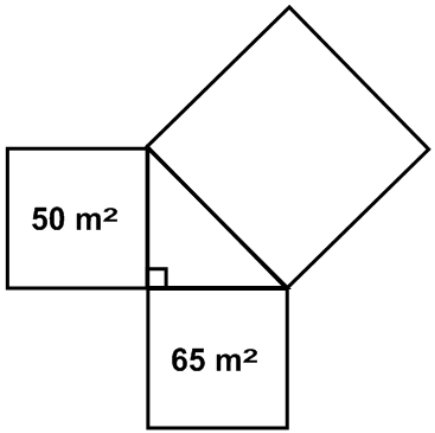
What is the area of the largest square?



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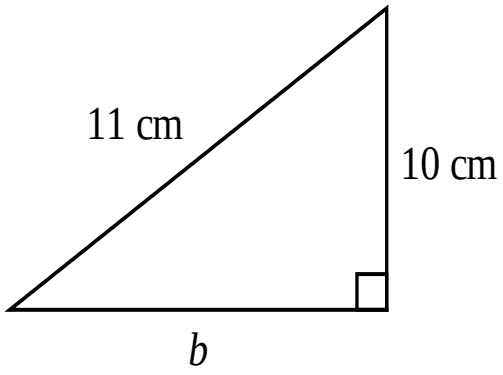

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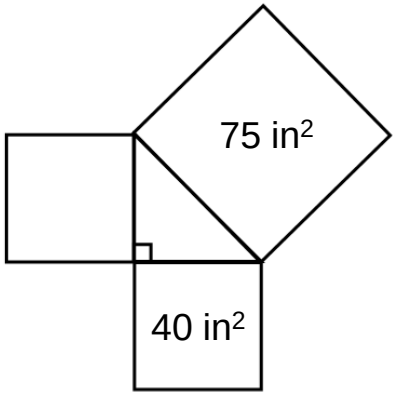

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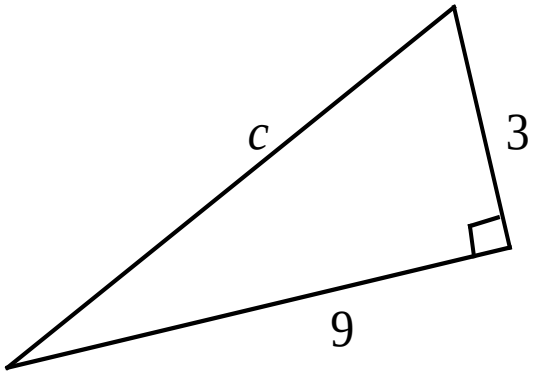

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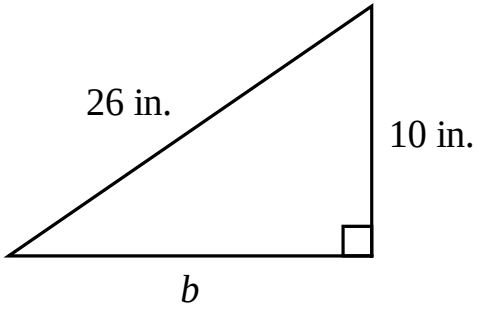

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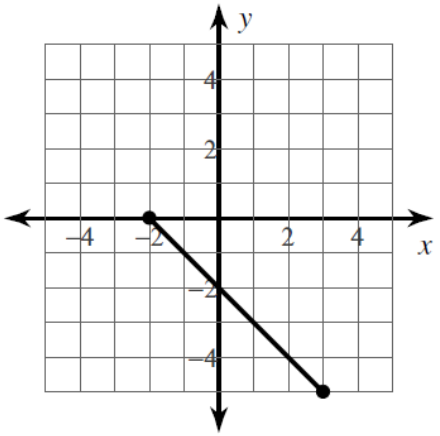

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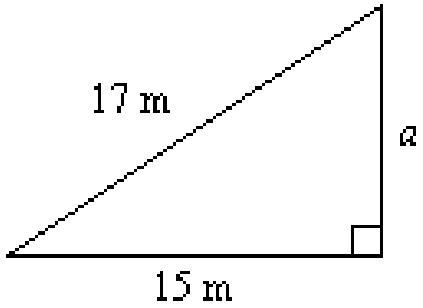

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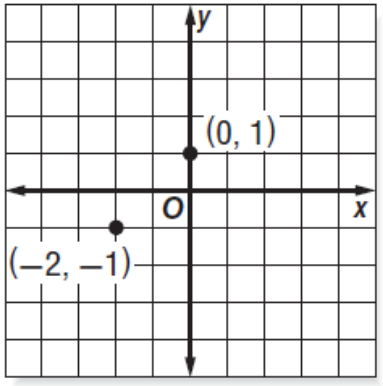

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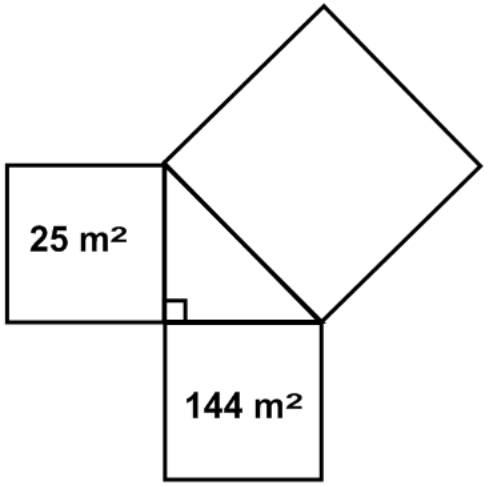

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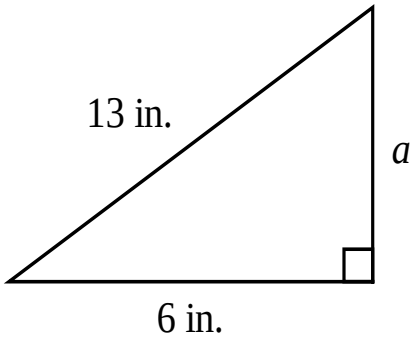

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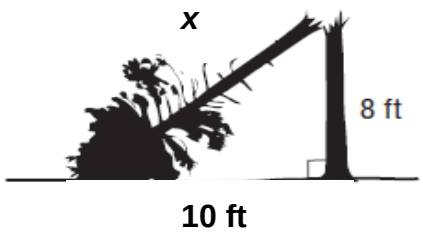

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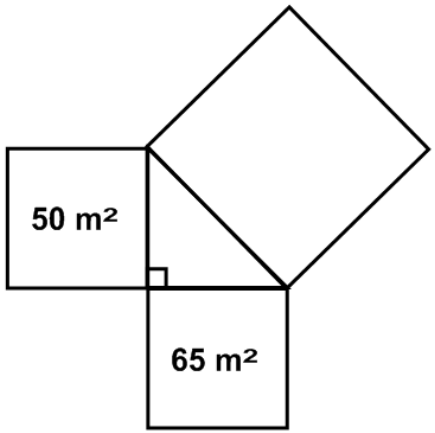

1. $\sqrt{21} = 4.6$
2. 35 in^2
3. 5 in
4. 9.5
5. 5
6. 24 in
7. $\sqrt{5} = 2.2$
8. a. No b. No
9. 7.1
10. 40
11. root 40 = 6.3
12. 2.8
13. root 200 = 14.1
14. 13 m
15. root 50 = 7.1
16. a. Yes b. No
17. $\sqrt{29} = 5.4$
18. $\sqrt{133}$ in = 11.5
19. D
20. 115 m^2