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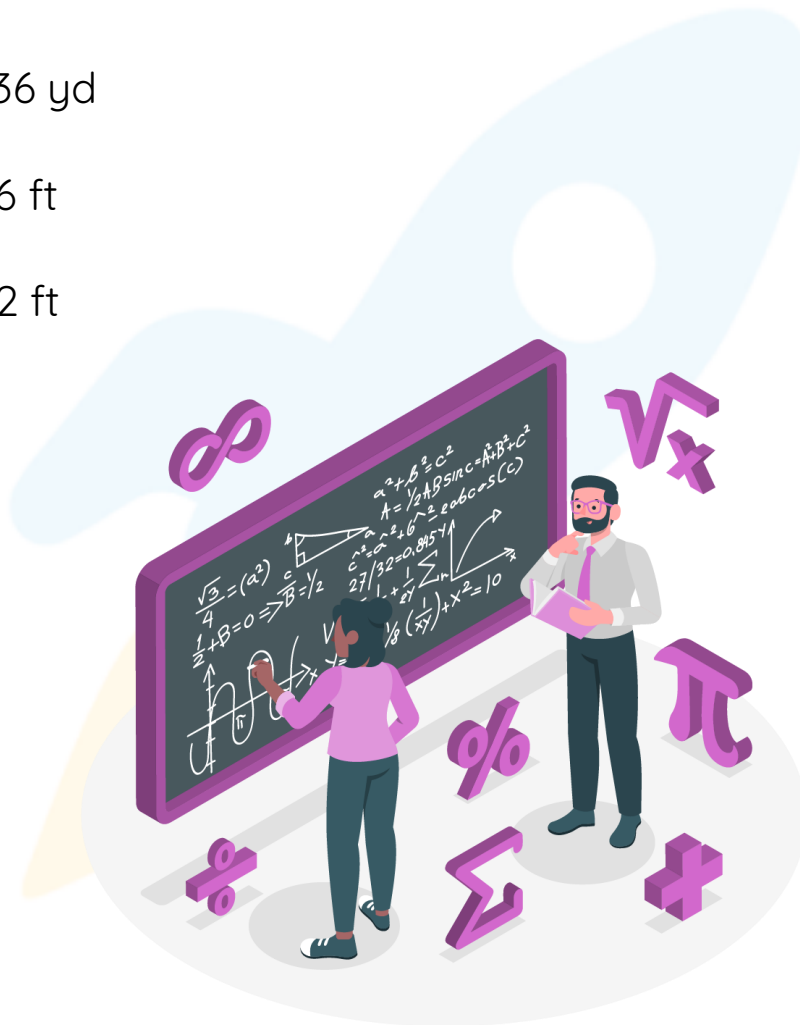
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## Pythagorean Theorem Worksheets Grade 8

Find the measure of the length of side of the right-angle triangle if the length of two sides of the triangle is given.

- 1) 39 in, 89 in
- 2) 120 ft, 119 ft
- 3) 77 yd, 36 yd
- 4) 33 ft, 56 ft
- 5) 65 ft, 72 ft



- 6) If the lengths of the side of a right triangular field is 35 yards and 12 yards. Find the length of the longest side of the field.
- 7) Tom said that length of right-angle triangle are 21 units, 20 units and 29 units. His statement is:
  - a) True b) False

8) Fill in the blanks:

According to the Pythagoras theorem, if the length of the base of a triangle is 'a', length of the perpendicular is 'b', and length of the hypotenuse of the triangle is 'c', then  
\_\_ +  $b^2 = c^2$

9) In a right-angle triangle, if the length of the hypotenuse is 193, and length of the base is 168. Find the length of the height of the triangle.

10) In a right-angle triangle, if the length of the hypotenuse is 305, and length of the base is 224. Find the length of the height of the triangle.



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- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

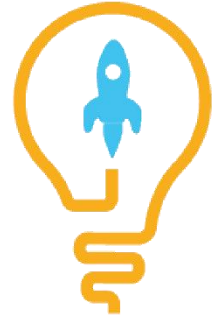
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	80
2)	169
3)	85
4)	65
5)	97
6)	37
7)	True
8)	$a^2$
9)	95
10)	207