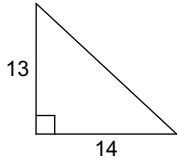


Pythagorean Theorem

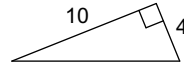
Date _____ Period _____

CLASS EXAMPLES: Find each missing length to the nearest tenth.

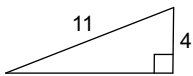
1)



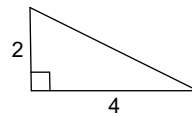
2)

**HOMEWORK: Find each missing length to the nearest tenth.**

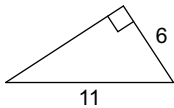
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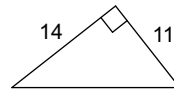
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5)



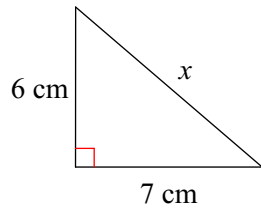
6)

**CLASS EXAMPLES: Answer each question.**

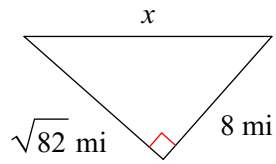
- 7) A certain television is advertised as a 20-inch TV (the diagonal length). If the width of the TV is 16 inches, how many inches tall is the TV?
- 8) You start driving north for 15 miles, turn right, and drive east for another 8 miles. At the end of driving, what is your straight line distance from your starting point?

CLASS EXAMPLES: Find the missing side of each triangle. Leave your answers in radical form.

9)

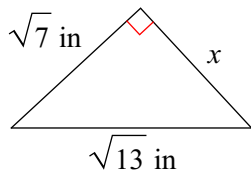


10)

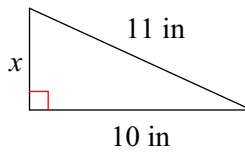


HOMEWORK: Find the missing side of each triangle. Leave your answers in radical form.

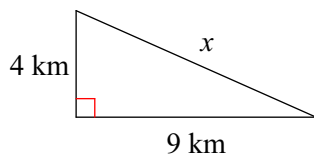
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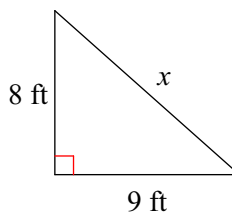
12)



13)

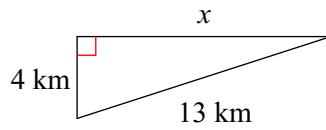


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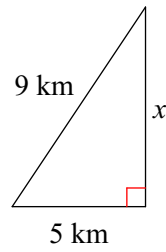


CLASS EXAMPLES: Find the missing side of each triangle. Leave your answers in simplest radical form.

15)

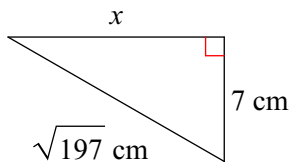


16)

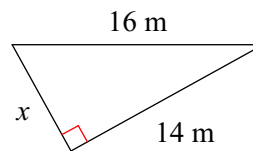


HOMEWORK: Find the missing side of each triangle. Leave your answers in simplest radical form.

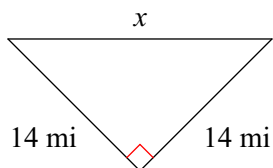
17)



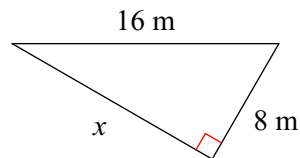
18)



19)



20)



Answers to Pythagorean Theorem (ID: 1)

- 1) 19.1
- 9) $\sqrt{85}$ cm
- 17) $2\sqrt{37}$ cm

- 3) 10.2
- 11) $\sqrt{6}$ in
- 19) $14\sqrt{2}$ mi

- 5) 9.2
- 13) $\sqrt{97}$ km

- 7)
- 15) $3\sqrt{17}$ km