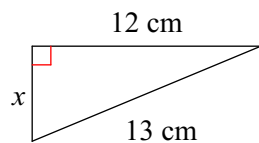


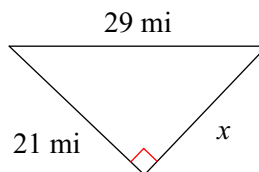
In-Class 5-3 Pythagorean Theorem

Find the missing side of each triangle. Round your answers to the nearest tenth if necessary.

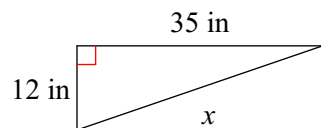
1)



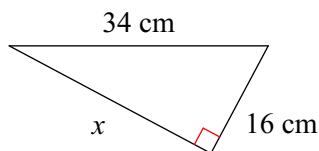
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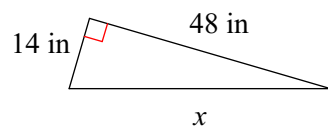
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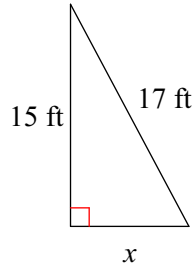
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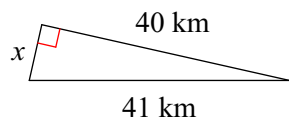
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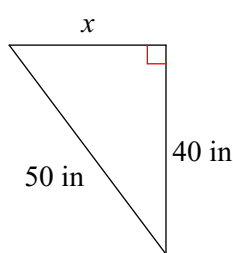
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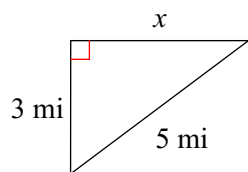
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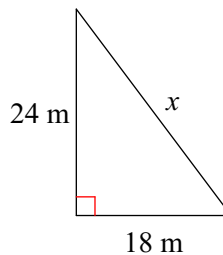
8)



9)

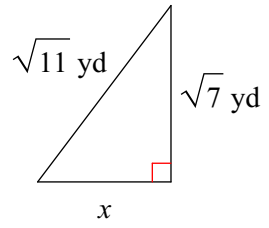


10)

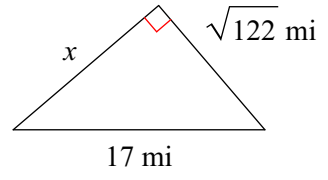


Find the missing side of each triangle. Leave your answers in simplest radical form.

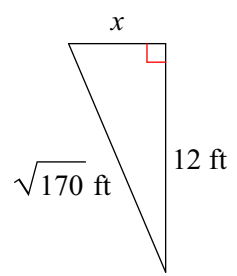
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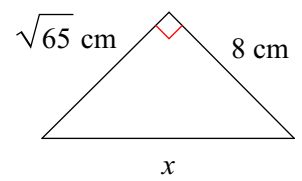
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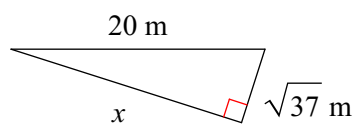
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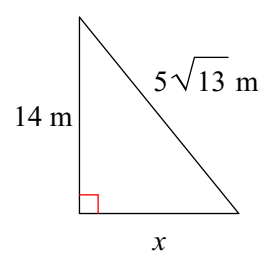
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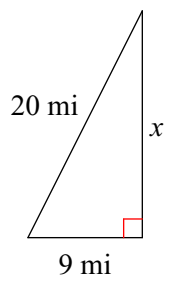
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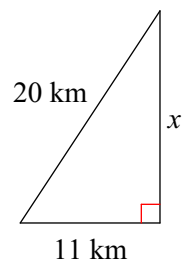
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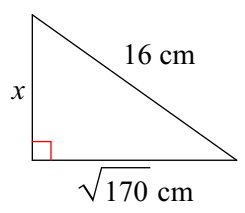
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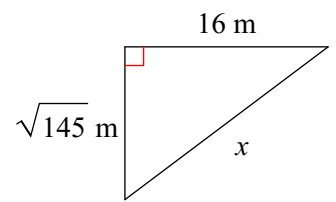
18)



19)

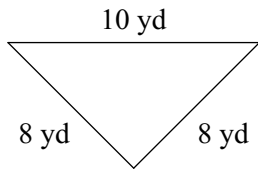


20)

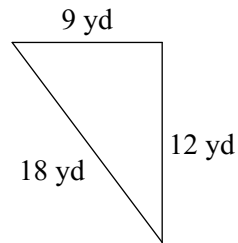


State if each triangle is acute, obtuse, or right.

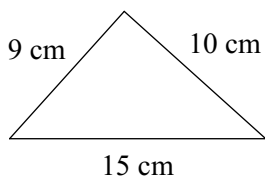
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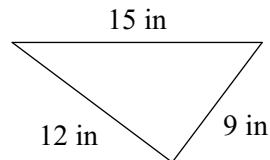
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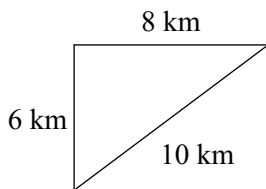
23)



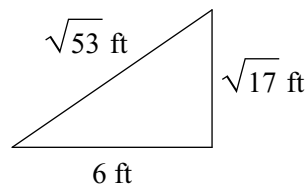
24)



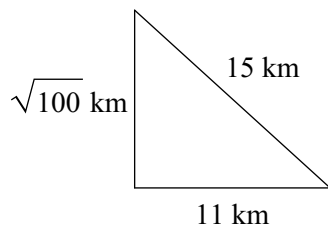
25)



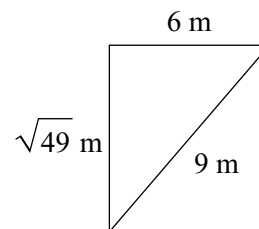
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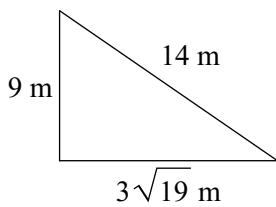
27)



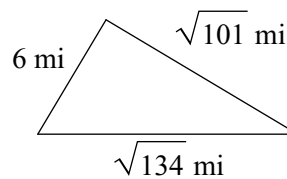
28)



29)



30)



Answers to In-Class 5-3

Pythagorean Theorem

- | | | | |
|---------------------|---------------------|--------------------|---------------------|
| 1) 5 cm | 2) 20 mi | 3) 37 in | 4) 30 cm |
| 5) 50 in | 6) 8 ft | 7) 9 km | 8) 30 in |
| 9) 4 mi | 10) 30 m | 11) 2 yd | 12) $\sqrt{167}$ mi |
| 13) $\sqrt{26}$ ft | 14) $\sqrt{129}$ cm | 15) $11\sqrt{3}$ m | 16) $\sqrt{129}$ m |
| 17) $\sqrt{319}$ mi | 18) $3\sqrt{31}$ km | 19) $\sqrt{86}$ cm | 20) $\sqrt{401}$ m |
| 21) Acute | 22) Obtuse | 23) Obtuse | 24) Right |
| 25) Right | 26) Right | 27) Obtuse | 28) Acute |
| 29) Acute | 30) Acute | | |