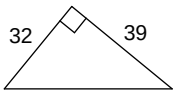
Name_____

Pythagorean Theorem

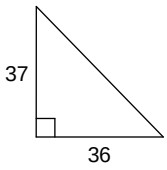
Date_____

Find each missing length to the nearest tenth.

1)



2)



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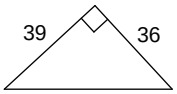

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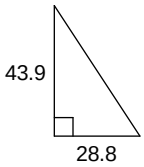

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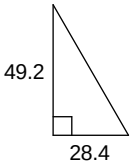


6) *a = 33, b = 42, c = ?*

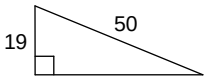
7) *a = 29, b = 37, c = ?*

8) *a = 44, b = 32, c = ?*

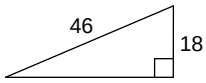
9) *a = 30.1, b = 35.3, c = ?*

10) *a = 30.4, b = 42.9, c = ?*

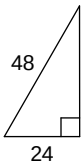
11)



12)



13)



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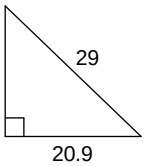

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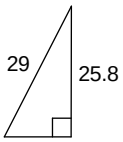


16) *a = ?, b = 17, c = 25*

17) *a = ?, b = 24, c = 31*

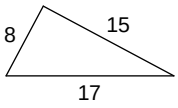
18) *a = 22, b = ?, c = 27*

19) *a = ?, b = 28.6, c = 33.3*

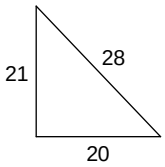
20) *a = ?, b = 11.3, c = 28*

Do the following lengths form a right triangle?

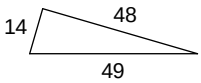
21)



22)



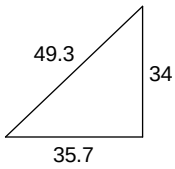
23)



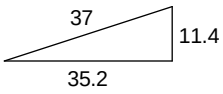
24) *a = 20, b = 21, c = 22*

25) *a = 7, b = 24, c = 25*

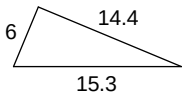
26)



27)



28)



29) *a = 11.4, b = 35.2, c = 35.7*

30) *a = 14, b = 14.7, c = 16.6*