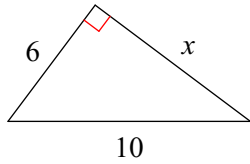


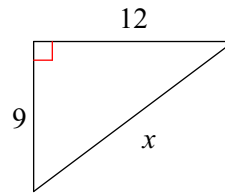
Unit 5.6 Pythagorean Theorem EXAMPLES

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

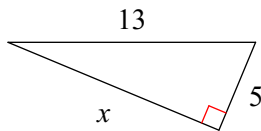
1)



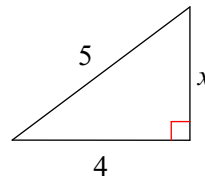
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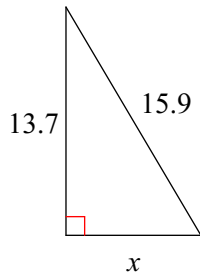
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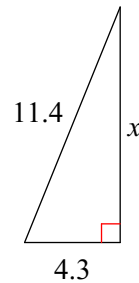
4)



5)

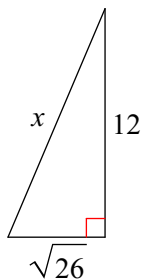


6)

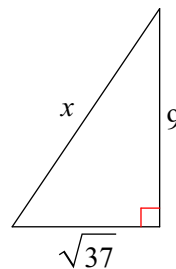


Find the missing side of each triangle. Leave your answers in simplest radical form.

7)



8)



State if the three sides lengths form a right triangle.

9) 12, 12, 15

10) 5, 12, 13

11) 8.8, 23.4, 25

12) 9.6, 12.8, 16

13) 3, $8\sqrt{3}$, 16

14) 11, $\sqrt{46}$, 13

State if the three side lengths form an acute, obtuse, or right triangle.

15) 4, 12, 13

16) 3, 4, 5

17) 40, 42, 58

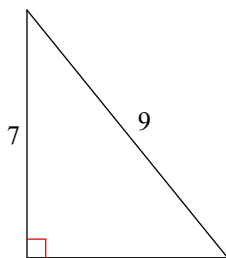
18) 48, 55, 73

19) 12, $\sqrt{114}$, 16

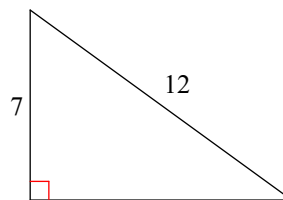
20) $4\sqrt{3}$, 4, 8

Find the area of each triangle. Round intermediate values to the nearest tenth. Use the rounded values to calculate the next value. Round your final answer to the nearest tenth.

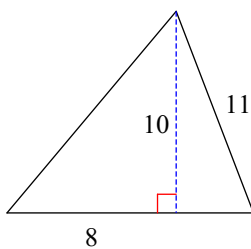
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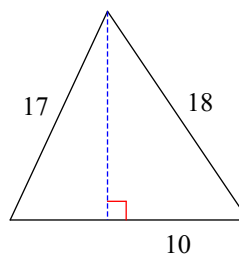
22)



23)



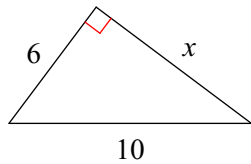
24)



Unit 5.6 Pythagorean Theorem EXAMPLES

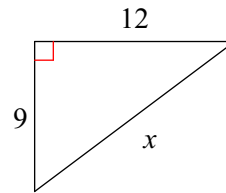
Find the missing side of each triangle. Round your answers to the nearest tenth if necessary.

1)



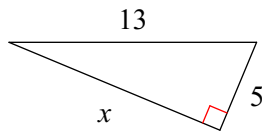
8

2)



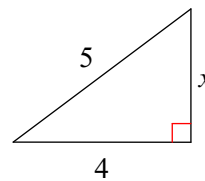
15

3)



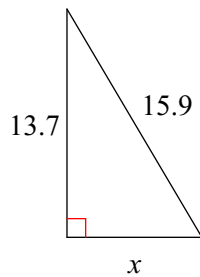
12

4)



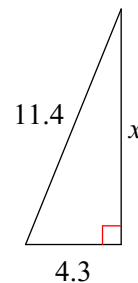
3

5)



8.1

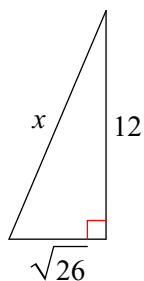
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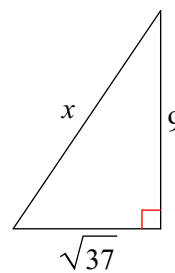
10.6

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

7)

 $\sqrt{170}$

8)

 $\sqrt{118}$

State if the three sides lengths form a right triangle.

9) 12, 12, 15

No

10) 5, 12, 13

Yes

11) 8.8, 23.4, 25

Yes

12) 9.6, 12.8, 16

Yes

13) 3, $8\sqrt{3}$, 16

No

14) 11, $\sqrt{46}$, 13

No

State if the three side lengths form an acute, obtuse, or right triangle.

15) 4, 12, 13

Obtuse

16) 3, 4, 5

Right

17) 40, 42, 58

Right

18) 48, 55, 73

Right

19) 12, $\sqrt{114}$, 16

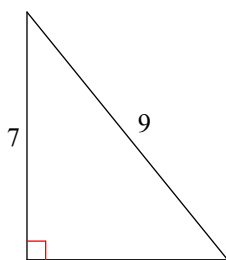
Acute

20) $4\sqrt{3}$, 4, 8

Right

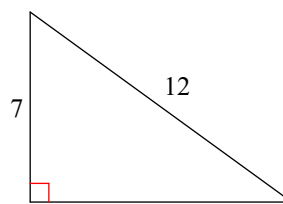
Find the area of each triangle. Round intermediate values to the nearest tenth. Use the rounded values to calculate the next value. Round your final answer to the nearest tenth.

21)



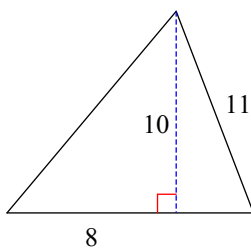
20

22)



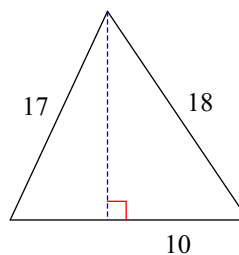
34

23)



63

24)



135