Geometry - Clark

Name_____

Pythagorean Theorem - Classifying

Date_____ Period____

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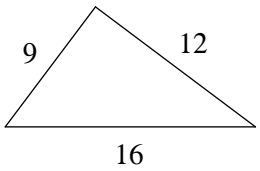
State if each triangle is acute, obtuse, or right.

1)



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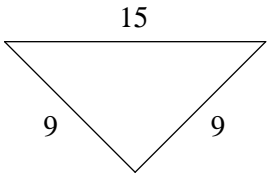

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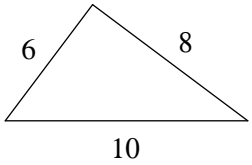

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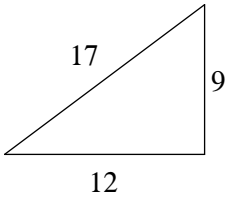

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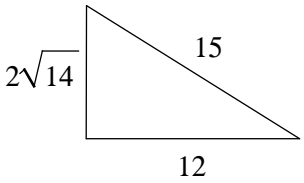

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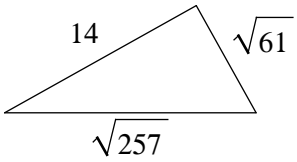

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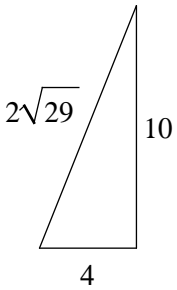

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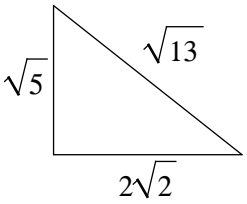

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State if the three side lengths form an acute, obtuse, or right triangle.

9) 5, 12, 13

10) 4, 12, 13

11) 9, 12, 15

12) 3, 4, 5

13) 9, $2\sqrt{22}$, 13

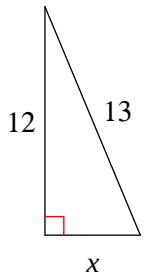
14) $\sqrt{7}$, $\sqrt{11}$, 4

15) 14, $5\sqrt{7}$, 16

16) $\sqrt{11}$, $\sqrt{10}$, $\sqrt{21}$

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

17)



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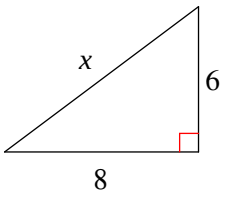
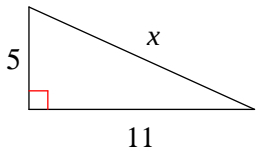


Find the missing side of each triangle. Leave your answers in simplest radical form.

19)



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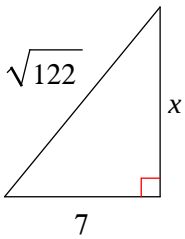

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Geometry - Clark

Name_____

Pythagorean Theorem - Classifying

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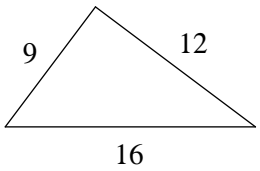
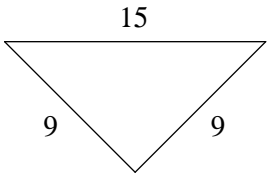
State if each triangle is acute, obtuse, or right.

1)



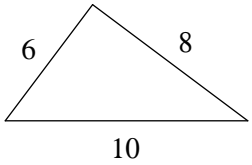
Obtuse

2)



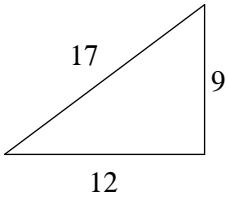
Obtuse

3)



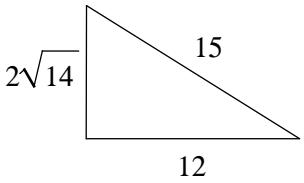
Right

4)



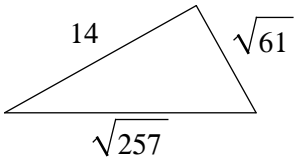
Obtuse

5)



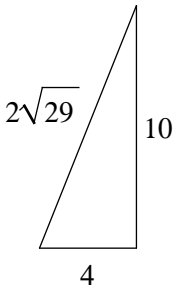
Obtuse

6)



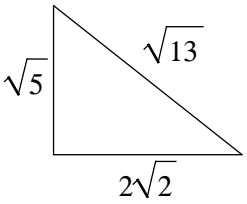
Obtuse

7)



Acute

8)



Acute

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

9) 5, 12, 13

Right

10) 4, 12, 13

Obtuse

11) 9, 12, 15

Right

12) 3, 4, 5

Right

13) 9, $2\sqrt{22}$, 13

Right

14) $\sqrt{7}$, $\sqrt{11}$, 4

Acute

15) 14, $5\sqrt{7}$, 16

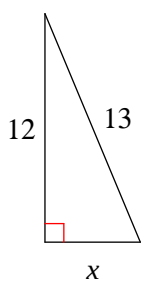
Acute

16) $\sqrt{11}$, $\sqrt{10}$, $\sqrt{21}$

Right

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

17)



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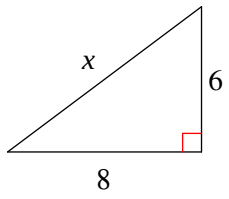
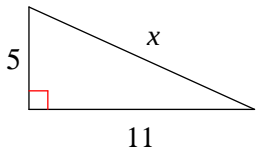


10

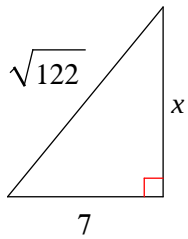
Find the missing side of each triangle. Leave your answers in simplest radical form.

19)



$\sqrt{146}$

20)



$\sqrt{73}$

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