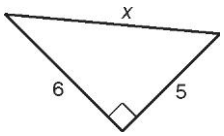
5.7 Recap

Name: _____

1. Use the Pythagorean Theorem to find missing side lengths
2. Apply the Pythagorean Triples to find missing side lengths
3. Use 3 side lengths to determine whether they form a triangle and if they do, identify if is acute, obtuse, or right

Find the value of *x*.

1. 

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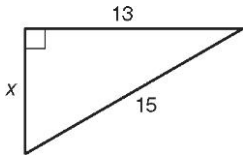
2. 

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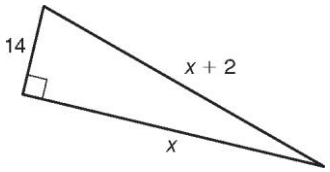
3. 

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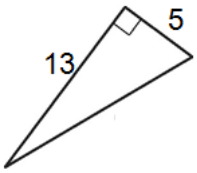
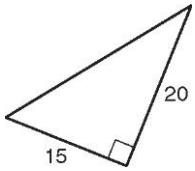
Find the missing side lengths. Tell whether the side lengths form a Pythagorean Triple.

4. 

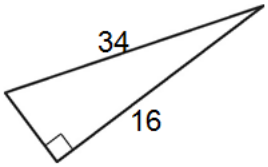
x = _____

Triple = _____

5. 

x = _____

Triple = _____

6. 

x = _____

Triple = _____

Tell whether the measures can be the side lengths of a triangle. If so, classify the triangle as acute, obtuse, or right.

7. 15, 18, 20

_____

8. 7, 8, 11

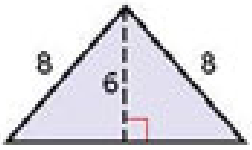
_____

9. 6, 7, $3\sqrt{13}$

_____

10. Do the numbers 2.7, 3.6, and 4.5 form a Pythagorean triple? Explain why or why not in COMPLETE sentences.

11. Explain how you would find the perimeter and area of the triangle in COMPLETE sentences.



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