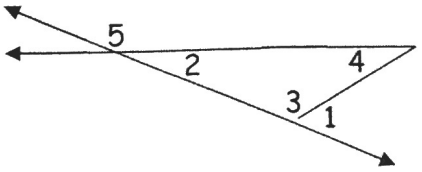
Review Sheet
Standard: Interior and Exterior Angles of Triangles

Name_____

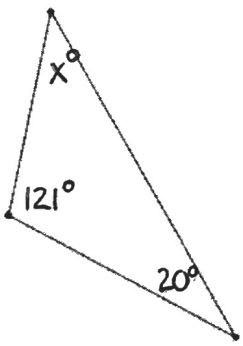
Use the figure at the right for problems 1-6.



1. Find $m\angle 5$ if $m\angle 3 = 30$ and $m\angle 4 = 70$.
2. Find $m\angle 3$ if $m\angle 4 = 42$ and $m\angle 5 = 125$.
3. Find $m\angle 2$ if $m\angle 3 = 115$ and $m\angle 4 = 31$.
4. Find $m\angle 1$ if $m\angle 2 = 20$ and $m\angle 4 = 78$.
5. Find $m\angle 2$ if $m\angle 4 = 42$ and $m\angle 1 = 100$.
6. Find $m\angle 3$ if $m\angle 2 = 126$ and $m\angle 4 = 21$.

For #4-16, solve for the variable.

4.



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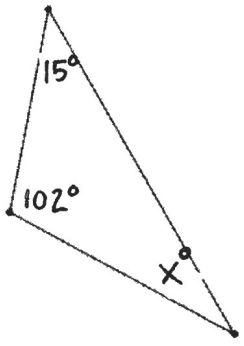

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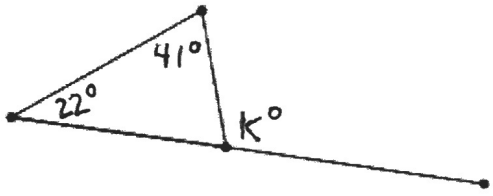

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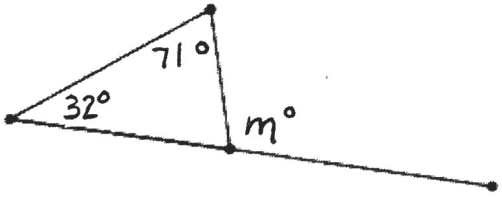

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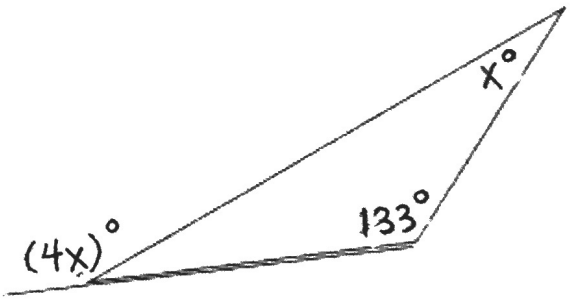
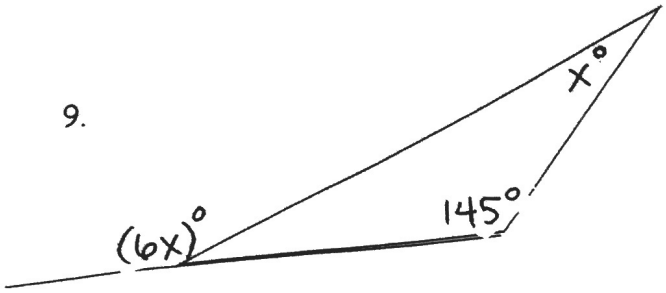
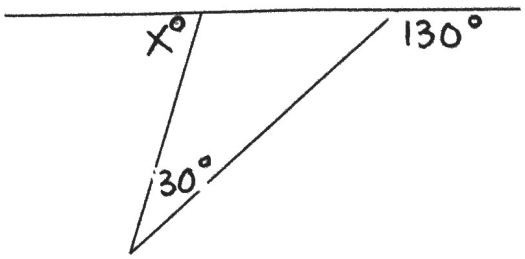


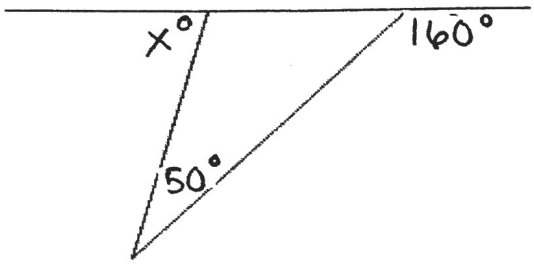
9.



10.



11.



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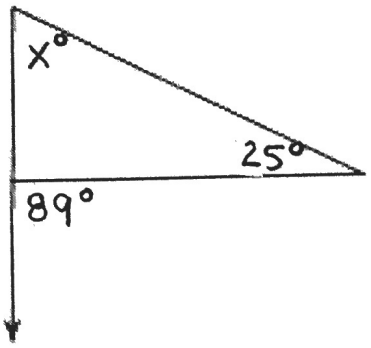
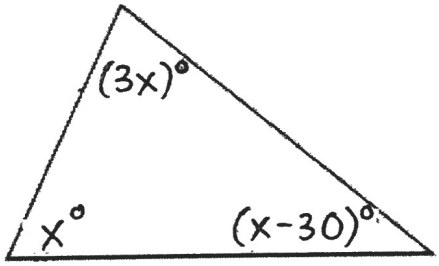


13.



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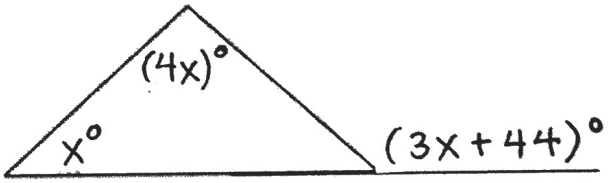
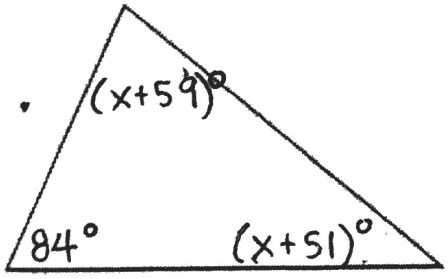
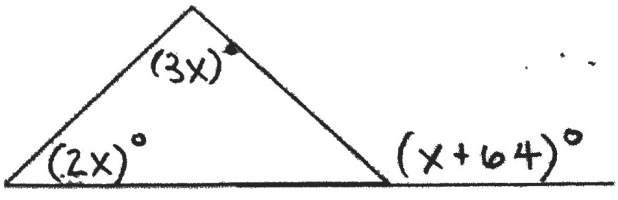


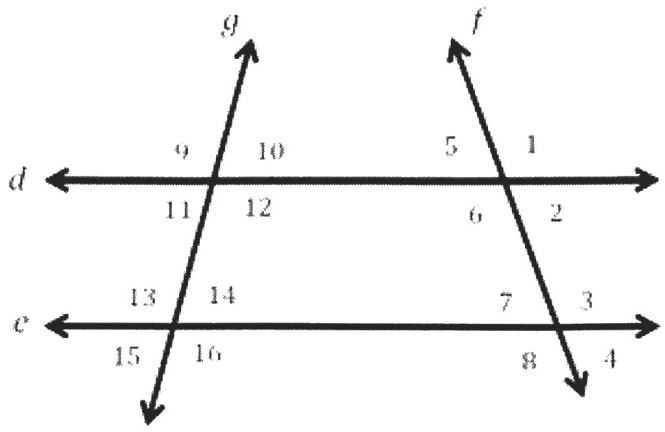
15.



16.



Spiraling
Standard: Parallel Lines cut by a Transversal



Let m∠1 = 123° and m∠12 = 102°

1. m∠13= _____	2. m∠6= _____
3. m∠15 = _____	4. m∠3 = _____
5. m∠13= _____	6. m∠5 = _____
7. m∠9 = _____	8. m∠7 = _____

For #9-13, refer to the above figure and identify the special angle pair name and tell whether the pair are congruent or supplementary.

Word Bank: Linear pair, consecutive, corresponding, vertical, alternate interior, alternate exterior

9) ∠2 and ∠7 _____/_____

10) ∠9 and ∠16 _____/_____

11) ∠3 and ∠4 _____/_____

12) ∠10 and ∠14 _____/_____

13) ∠2 and ∠5 _____/_____