

STUDY GUIDE

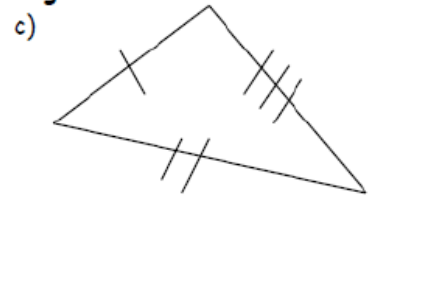
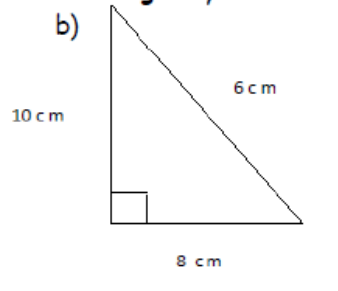
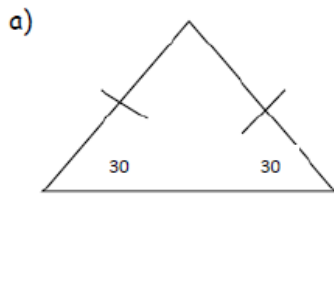
Unit 10 Review for Assessment

Define the following words:

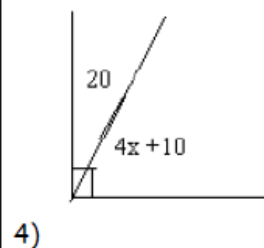
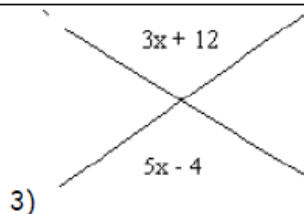
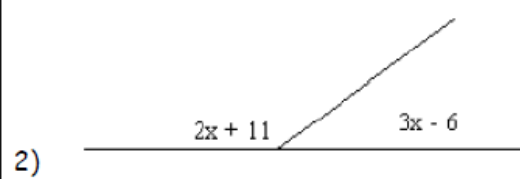
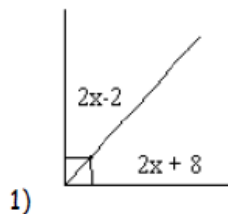
- supplementary angles
- complementary angles
- vertical angles
- adjacent angles
- acute triangle
- obtuse triangle
- right triangle
- isosceles triangle
- scalene triangle

- equilateral triangle
- parallel lines
- transversal
- congruent angles
- corresponding angles
- alternate interior angles
- alternate exterior angles
- triangle sum theorem
- exterior angle theorem

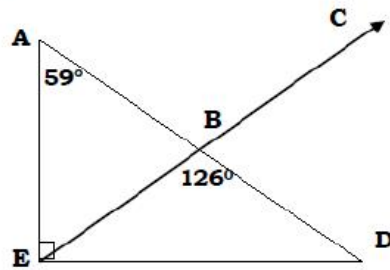
Name each triangle by its sides and lengths



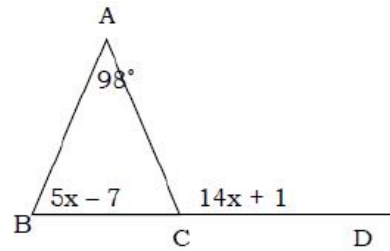
For # 1-10, find the measure of the missing angle



5) Use the diagram to find the missing angle measures B and D.



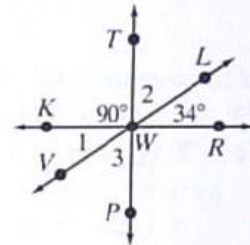
6)



Practice 9-2 Angle Relationships and Parallel Lines

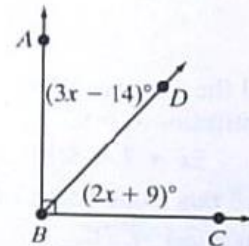
Find the measure of each angle in the figure at the right.

1. $m\angle 1$
2. $m\angle 2$
3. $m\angle 3$
4. $m\angle VWR$



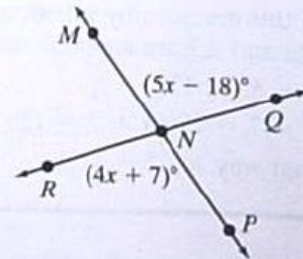
Use the figure at the right for Exercises 5-8.

5. Write an equation. _____
6. Find the value of x . _____
7. Find $m\angle ABD$. _____
8. Find $m\angle DBC$. _____



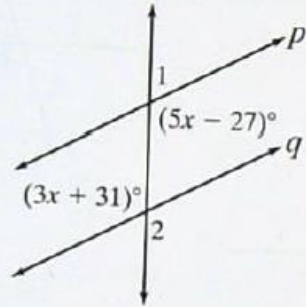
Use the figure at the right for Exercises 9-12.

9. Write an equation. _____
10. Find the value of x . _____
11. Find $m\angle MNQ$. _____
12. Find $m\angle MNR$. _____



In each figure, find the measures of $\angle 1$ and $\angle 2$.

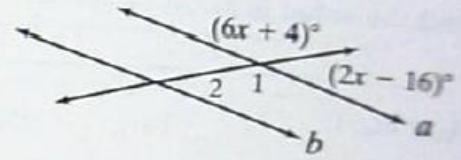
13. Given $p \parallel q$.



$m\angle 1 =$

$m\angle 2 =$

14. Given $a \parallel b$.



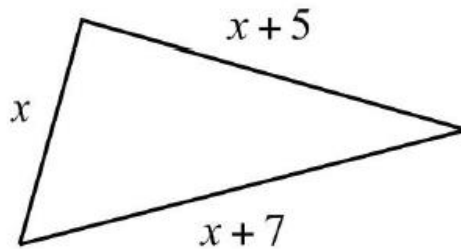
$m\angle 1 =$

$m\angle 2 =$

15. Find a pair of complementary angles such that the difference of their measures is 12° .

Could you have a triangle with side lengths 7cm, 8cm, and 1cm? Explain your reasoning.

Use the triangle below to find the perimeter (as much as you can).



If the triangle above has a perimeter of 27 units, what is the measure of each side?

