

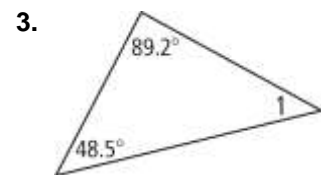
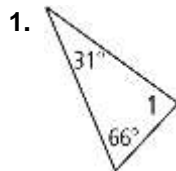
3-5

Practice

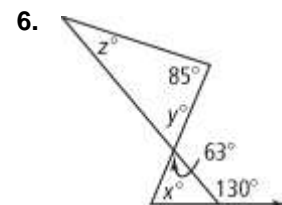
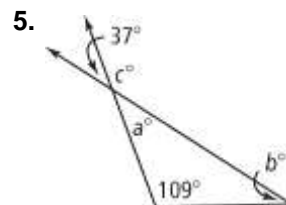
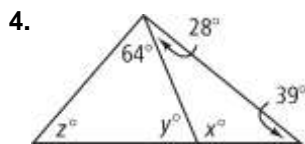
Form K

Parallel Lines and Triangles

Find $m\angle 1$.



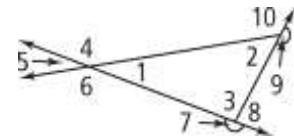
Algebra Find the value of each variable.



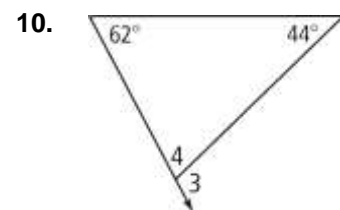
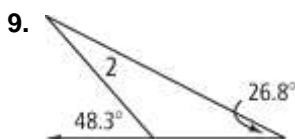
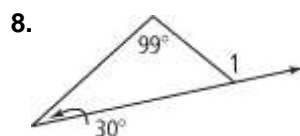
7. a. Which of the numbered angles are exterior angles?

b. Name the remote interior angles for each exterior angle.

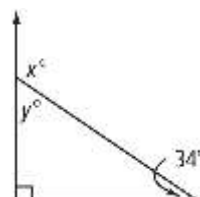
c. Which two exterior angles share the same remote interior angles? Explain.



Algebra Find each missing angle measure.



11. What are the values of x and y in the right triangle?



3-5

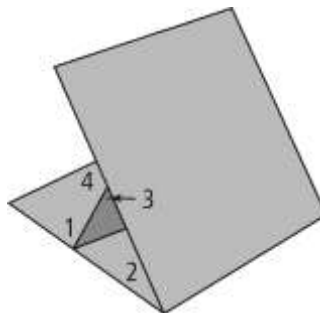
Practice (continued)

Form K

Parallel Lines and Triangles

12. A tabletop easel has different angle settings.

If $m\angle 1 = 75$ and $m\angle 2 = 40$, what is $m\angle 4$?

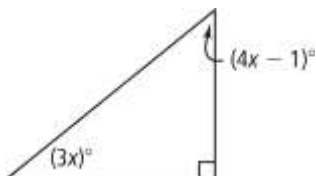


Algebra Use the given information to find the unknown angle measures in the triangle.

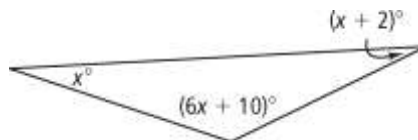
13. The ratio of the angle measures of the acute angles in a right triangle is 1 : 3.
14. The measure of one angle of a triangle is 61. The other two angles are in a ratio of 2 : 5.
15. The measure of the exterior angle of a triangle is 110. The measures of its remote interior angles are in a ratio of 2 : 3.

Find the values of the variables and the measures of the angles.

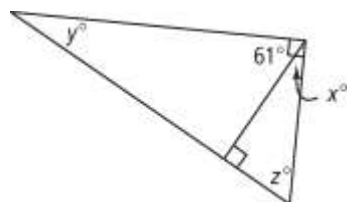
17.



18.



19.



20.

