# Angles in Triangles Worksheets

In each exercise below, find the unknown (labeled) angles.  Give reasons for your solutions.

78°

48°    f

$m\angle f =$

g

57°

94°

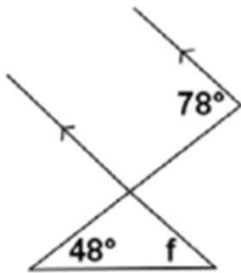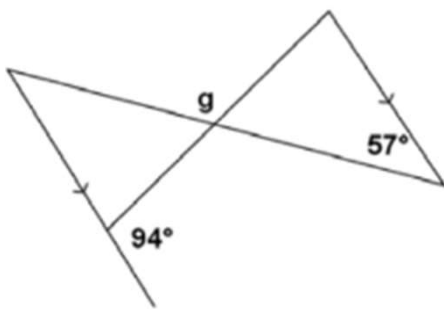$m\angle g =$

5x - 3    4x - 2

j

10x - 20

$m\angle j =$

# Angles in Triangles Worksheets
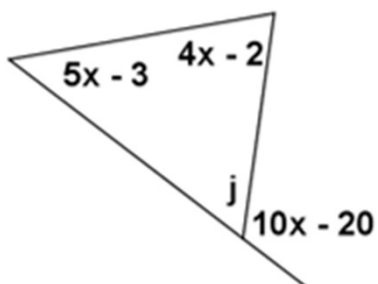
In each exercise below, find the unknown (labeled) angles.  Give reasons for your solutions.
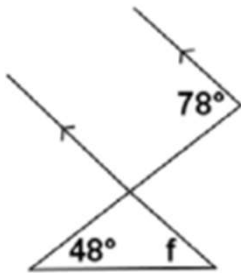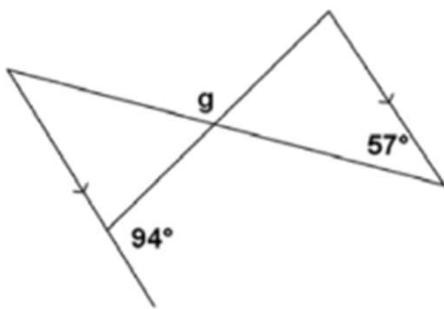
$m\angle f =$   30°

*If parallel lines are cut by a* transversal, *then corresponding angles are equal in measure.*

*Linear pairs form supplementary angles.*
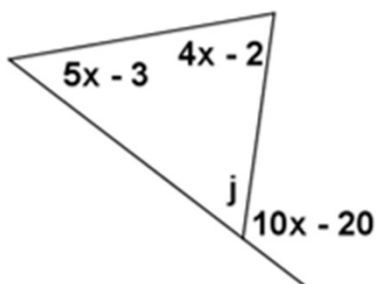
The sum of the angle measures in a triangle is 180°.

78°

48°  f

$m\angle g =$  143°

*If parallel lines are cut by a transversal, then alternate interior angles are equal in measure.*

*Linear pairs form supplementary angles.*

The sum of the angle measures in a triangle is 180°.

g

57°

94°

$m\angle j =$  50°

The exterior angle of a triangle equals the sum of the two interior opposite angles.

*Linear pairs form supplementary angles.*

5x - 3  4x - 2

j

10x - 20