

# FINDING AREA of TRIANGLES AND Quadrilaterals Using Sine Formula

Act. #99

**FINDING AREA.** Find the area of the triangle with the given side lengths and included angle.

37.  $B = 25^\circ, a = 17, c = 33$

38.  $C = 130^\circ, a = 21, b = 17$

39.  $C = 120^\circ, a = 8, b = 5$

40.  $A = 85^\circ, b = 11, c = 18$

41.  $A = 75^\circ, b = 16, c = 21$

42.  $B = 110^\circ, a = 11, c = 24$

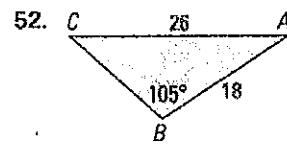
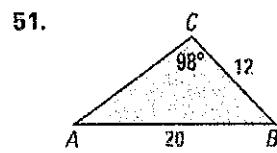
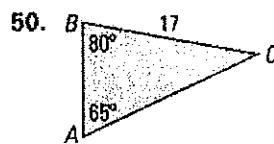
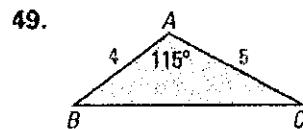
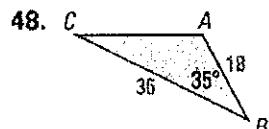
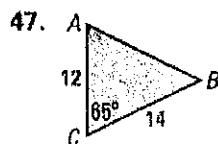
43.  $C = 125^\circ, a = 3, b = 8$

44.  $B = 29^\circ, a = 13, c = 13$

45.  $B = 96^\circ, a = 15, c = 9$

46.  $A = 32^\circ, b = 10, c = 12$

**FINDING AREA.** Find the area of  $\triangle ABC$ .



**FIND the AREA of the Quadrilaterals. Round to the tenth's place.**

