Name:

Law of Sines



2) Find the area of circle C by using the Law of Sines to find the radius. Hint: What kind of triangle is ABC?



- 3) The diagonals of a parallelogram are 14 ft and 18 ft and they intersect at an angle of 120°. Find the area of the parallelogram.
- 4) If the area of a triangular lot having two sides of length 52 and 90 meters is 2289 sq. meters. Find the included angle between the two given sides.
- 5) Find the area of a quadrilateral ABCD if the area of triangle ABC is 40 cm², AB = 18 cm, $\angle B = 25^{\circ}$, AD = 9 cm, $\angle DAC = 55^{\circ}$.
- 6) The area of triangle ABC is 100 cm². Find $\angle B$ if a = 20 cm and c = 15 cm.
- 7) The lengths of the adjacent sides of a parallelogram are 4 yards and 6 yards. Find the area of the parallelogram, if the angle between the two sides is 60.