Plane Trigonometry—concluded

8 Given \( a = 71.2 \), \( b = 64.8 \), \( c = 37 \); find all the angles of the triangle.

9 The longer diagonal of a parallelogram is 500 feet and the angles it makes with the sides are 46° 36' and 10° 12'; find the lengths of the sides and the area of the parallelogram.