Name: _____   Date: _____

Trigonometry

Give answers to 3 significant figures.

1   A ladder is 5 m long. The ladder rests against a vertical wall. The foot of the ladder rests on horizontal ground. The ladder makes an angle of 82° with the ground. How far up the wall does the ladder reach?

2   The perimeter of a right-angled triangle is 24 cm. The length of one of the sides is 10 cm, the length of the other side is 8 cm. Calculate the size of the smallest angle of this triangle.

3   A rectangle has a length of 14 cm and width of 8 cm. What angle does the diagonal make with the longest side?

4   ABC is a right-angled triangle.
AB = 7cm, angle ABC = 90° and angle ACB = 64°. Calculate the length of BC.

5   The lengths of the sides of a right-angled triangle are 5 cm, 12 cm and 13 cm. Work out the size of the other two angles of this triangle.