

Name:

Group 1

Result:

- 1.** *(4 points)*  
A clock has a minute hand of length  $8.5\text{ cm}$  and an hour hand of  $5.6\text{ cm}$ . Find the distance between the tips of these hands at exactly 1:30.

**2.***(6 points)*

In a triangle  $ABC$  we have  $|AB| = 12 \text{ cm}$ ,  $|BC| = 7.5 \text{ cm}$  and  $\angle BAC = 16^\circ$ .

- (a) Find possible values of  $\angle ACB$
- (b) Find possible values of  $|AC|$
- (c) Find the possible values of the area of  $ABC$ .