**Activity 2.1.5 Using Congruence to Find Unknown Parts**

Group Activity:

Name the members of your group:

Group member 1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Group member 2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Group member 3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Given that ∆*MAP* is congruent to ∆*FUR* and to ∆*HOT*

Share information with others in your group to find the measures of all three angles and sides in your triangle.



Group member 1: In ∆*MAP*, *MA* = 2 and m $∠$ *M* = 104°

Group member 2: In ∆*FUR*, *FR* = 3.7 and m $∠$ *U* = 51°

Group member 3: In ∆*HOT*, *OT* = 4.6 and m $∠$ *T* = 25°