

**Math 372 Quiz 4    Total points: 10**  
**Instructor: Yi Wang**

Name(Print)\_\_\_\_\_ Section\_\_\_\_\_ Grade\_\_\_\_\_

1. (5 points) Prove the statement: If  $PA = PB$  and  $M$  is the midpoint of segment  $\overline{AB}$ , then line  $\overline{PM}$  bisects  $\angle APB$ .

2. (5 points) If  $WS = WT$  and  $RS = ST = TU$ , with  $R - S - T - U$ , prove that  $\angle RWS \cong \angle TWU$ .

