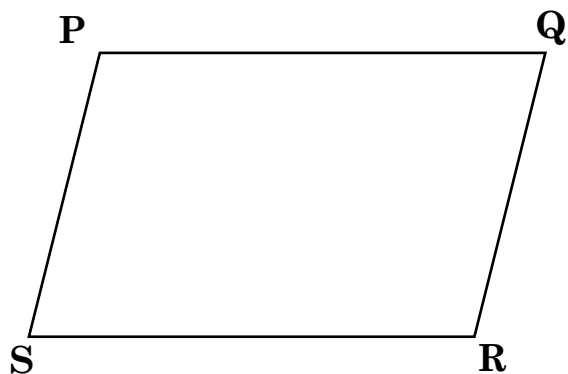




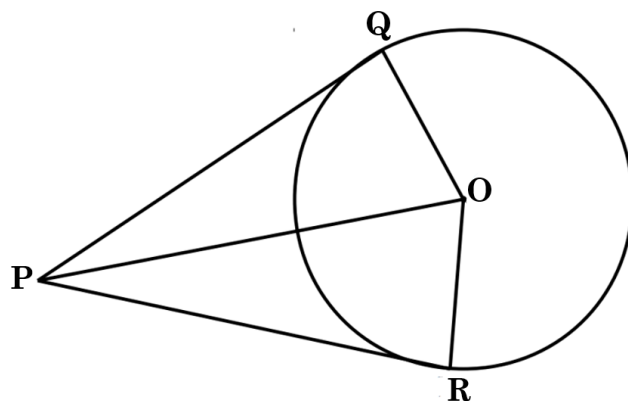
Congruent Triangles Exam Practice

Q1. PQRS is a parallelogram.
Prove that triangle PQR is congruent to triangle PSR.



(3 marks)

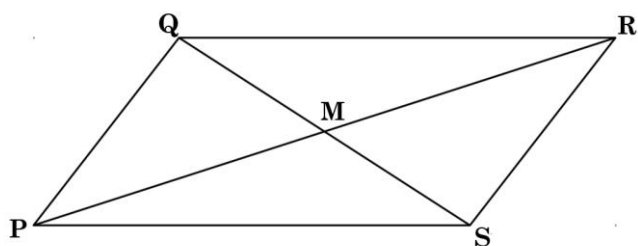
Q2. PQ and PR are tangents to the circle having centre O shown.
Prove that triangle POR is congruent to triangle POQ.



(4 marks)

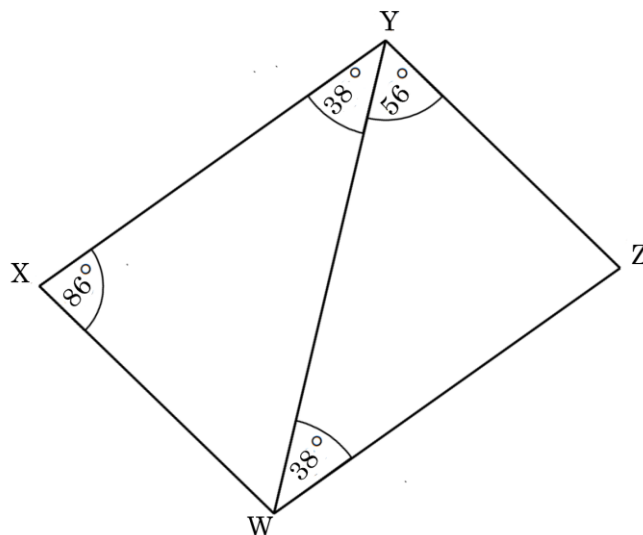
Q3. PQRS is a parallelogram, where M is the point where the diagonals intersect.

Prove that triangle QMR is congruent to triangle PMS.



(3 marks)

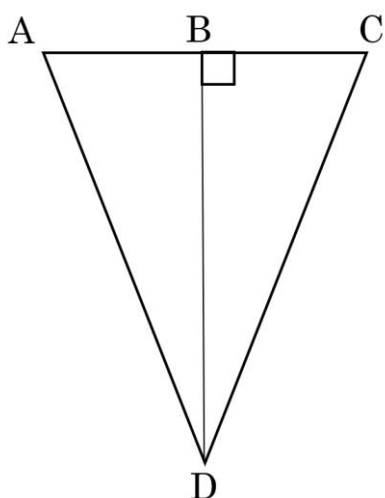
Q4. Prove that triangle WXY is congruent to triangle WYZ.



(3 marks)



Q5. ACD is an isosceles triangle.



Prove that triangle PQR is congruent to triangle PSR.

(3 marks)

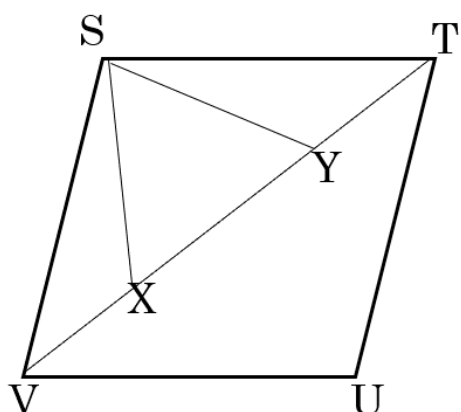
Q6. Triangle A has angles, 41, 76 and 63 degrees.

Triangle B has angles, 41, 76 and 63 degrees.

Explain why triangles A and B are not necessarily congruent.

(2 marks)

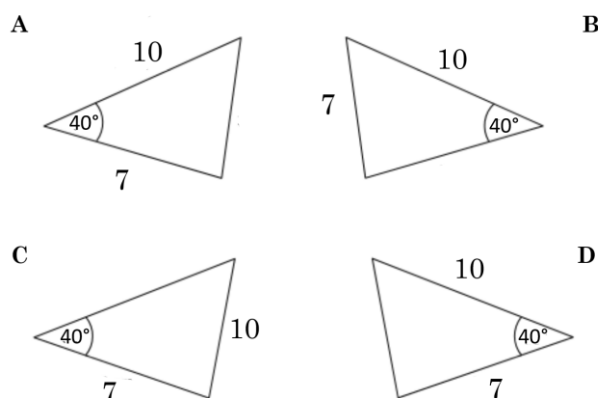
Q7. ABCD is a rhombus, and $VX = TY$.



Prove that triangle SVX is congruent to triangle STY.

(4 marks)

Q8. Identify which triangles are congruent to each other. Explain your reasoning carefully.



(2 marks)