Practice worksheet | Congruence and similarity

Properties of quadrilaterals established using triangles

Name: _____ Date: _____

6 questions | 14 marks

1. Parallelogram $ABCD$ has $AB = 9$ cm and $BC = 5$ cm. Find CD and DA. [2 marks]

2. One angle of a parallelogram is 65°. Find an adjacent angle and its opposite angle. [3 marks]

3. Parallelogram diagonals AC and BD meet at O. $AO = 4$ cm and $BO = 6$ cm. Find OC and OD. [2 marks]

4. A rectangle has one diagonal 13 cm long. Find the length of its other diagonal and explain. [2 marks]

5. A rhombus has one side 6 cm. Find its perimeter. [2 marks]

6. A parallelogram $ABCD$ is split by diagonal AC. Which equal angles follow from AB parallel to CD? Explain the transversal used. [3 marks]