

Math 206 - Quiz 8

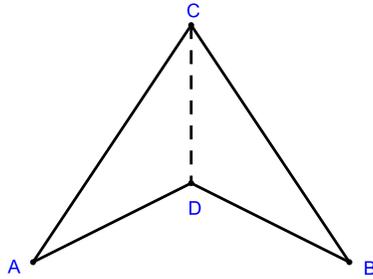
April 14, 2010

Name _____

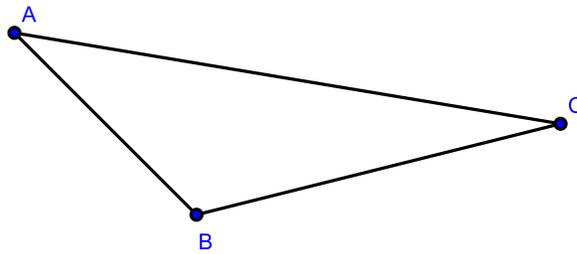
Score _____

Show each step to receive full credit. Supply explanations when necessary.

1. (1 point) The figure shown below is a kite. Carefully explain how we can be sure that $\triangle ACD \cong \triangle BCD$.



2. (1.5 points) Use a compass and straightedge to construct a triangle congruent to the one shown below.



3. (1 point) Find three integers that cannot be the measures of the sides of a triangle. Briefly explain.

4. (1.5 points) Use a compass and straightedge to construct a 60° angle. (Hint: What kind of triangle has three 60° angles? Construct it.)