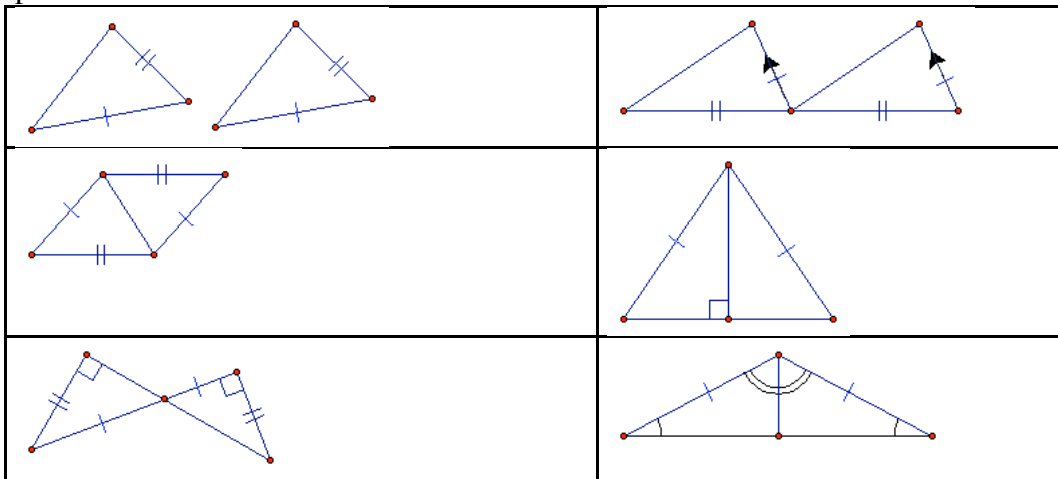


Geometry Test 9 Mr. Holcomb 2008/2009
Chocolate Chip or Oatmeal Raisin?

Problem

Decide whether it is possible to prove that the Δ 's are congruent. If possible, state the congruence postulate you would use. If not, write "Can't be proved".

1. (10 points) Determine which of the following pairs of triangles can be proved congruent using the congruence postulates we have at the present time. If they can be proved congruent, state the postulate.



2. (10 points) Use your protractor to draw a 110° angle and then show how to construct a copy of this angle. Justify by leaving clear and complete construction marks.

3. (10 points) Use your ruler to draw a line and a point at least 3 cm away from the line. Then construct a parallel line through the point. Justify with clear and complete construction marks.

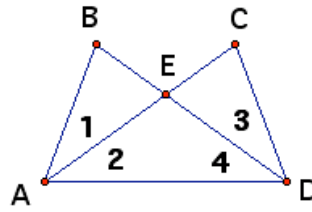
Name: _____

ID: A

4. (12 points)

Given: $\angle 1 \cong \angle 3$; $\angle BAD \cong \angle CDA$

Prove: $\triangle ABD \cong \triangle DCA$



5. (12 points)

Given: $\angle Y \cong \angle A$; \overline{TD} bisects \overline{AY}

Prove: $\triangle TOY \cong \triangle DOA$

