ASSIGNMENT (Unit 5/ Day 3) Math III – Unit 1 Geometry

 Day 3: Congruent Triangles

1. Given ΔABC and ΔEDC with $\overbar{AB}≅ \overbar{EC}, \overbar{BC}≅\overbar{ED}, and <ABC ≅ <CED. $ What is the reason for ΔABC $≅$ ΔCED?
2. State if the triangles are congruent. If they are, state how you know.

a) b)

 

c) d)

  

1. Write the congruence statement for each triangle.
2. ΔMPN $≅$ Δ\_\_\_\_\_\_ b) ΔDCE $≅$ Δ\_\_\_\_\_\_

  

1. Given ΔQRS and ΔUTV, with $\overbar{QR}≅\overbar{UT}, \overbar{RS}≅\overbar{TV}, and<RQS ≅ <TUV.$ Is
ΔQRS $≅$ ΔUTV? If so, state how you know.