NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| **Key Concept** | **Notes** |
| **SSS Postulate** | If the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of one triangle are \_\_\_\_\_\_\_\_\_\_\_\_ to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of another triangle, then the two triangles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| **SAS Postulate** | If \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of one triangle are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_of another triangle, then the two triangles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| **Problem 1** | Given: $\overbar{LM}$ ≅ $\overbar{NP}$, $\overbar{LP}$ ≅ $\overbar{NM}$Prove: Δ*LMN* ≅ Δ*NPL*C:\Users\JIMCOL~1\AppData\Local\Temp\SNAGHTML570f4070.PNG |
| **Problem 2** | **Would you use SSS or SAS to prove triangles congruent? If so, name the postulate and write a congruency statement. If there is not enough information to prove the triangles congruent, write *not enough information.*****A. B.** **C. D.**  |
| **Overlapping Triangles****Problem 3** | C:\Users\JIMCOL~1\AppData\Local\Temp\SNAGHTML533e44c5.PNG |

APPLICATION

**Would you use SSS or SAS to prove triangles congruent? If so, name the postulate and write a congruency statement. If there is not enough information to prove the triangles congruent, write *not enough information.***

**1. 2. 3.**

**4. Complete the flow proof. 5. Given:** $\overbar{AE}$ **≅** $\overbar{CD}$**; ∠*AED* ≅ ∠*CDE***

 **Prove: ∆*AED* ≅ ∆*CDE***

**Given:** *, *

**Prove:** ∆*JDA* ≅ ∆*ZMA*

****

COMPREHENSION

**6.**