Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Day 2 – Proving Triangles Similar**

**Explain why the triangles are similar (SSS~, SAS~, or AA~) and write a similarity statement.**

1. RQS~\_\_\_\_\_\_\_\_\_\_ by \_\_\_\_\_\_
2. ABC~\_\_\_\_\_\_\_\_\_\_ by \_\_\_\_\_\_
3. ADE~\_\_\_\_\_\_\_\_\_\_ by \_\_\_\_\_\_

4) QPR~\_\_\_\_\_\_\_\_\_\_ by \_\_\_\_\_\_

1. ABC~\_\_\_\_\_\_\_\_\_\_ by \_\_\_\_\_\_

6)AEF~\_\_\_\_\_\_\_\_\_\_ by \_\_\_\_\_

 **Explain why the triangles are similar (SSS~, SAS~, or AA~) and find each length.**

9) Similar by \_\_\_\_\_\_ and **GK** = \_\_\_\_\_

10) Similar by \_\_\_\_\_\_ and **SU** = \_\_\_\_\_

11) Similar by \_\_\_\_\_\_ and **DE** = \_\_\_\_

12) Similar by \_\_\_\_\_\_ and **RQ** = \_\_\_\_