**6.5 More Triangle Similarity Shortcuts**

**Side-Side-Side Similarity Thm (SSS**$∆\~$**Thm)**

**If 3 sides of triangle are proportional to 3 sides of another triangle then the triangles are similar.**

**Ex.**

**Side-Angle-Side Similarity Thm (SAS**$ ∆\~$**Thm)**

**If 2 sides of one triangle are proportional to 2 sides of another triangle and the included angles are congruent, then the triangles are similar.**

**Ex.**

**Determine whether the triangles are similar. If they are, write a similarity statement and explain why.**

**1)**

**2)**

**3)**