

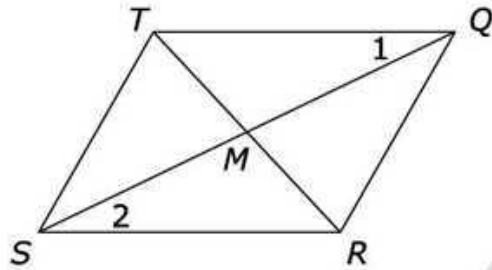
Final Exam Review Day 1: Unit 1 Modeling with Geometry

Topic	Essential Concepts/Formulas
Transformations	Translations: Reflections: Rotations: Dilations:
Triangles	Triangle Angle Sum Theorem: Isosceles Triangle Theorem: Triangle Midsegment Theorem:
Similar Figures/Triangles	Properties of Similar Figures: Ways to Prove Triangles Similar:
Congruent Triangles	Ways to Prove Triangles Congruent:

Complete the following constructed response items.

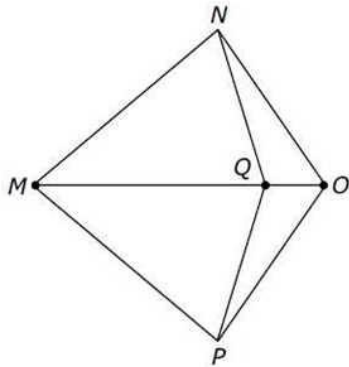
1. Explain why triangle TMQ is congruent to triangle RMS .

In the figure below, $\overline{MS} \cong \overline{MQ}$ and $\angle 1 \cong \angle 2$.



2. Explain why triangle MNO is congruent to triangle MPO .

In the diagram below, points M , Q , and O are collinear, $\overline{MN} \cong \overline{MP}$, and $\overline{NO} \cong \overline{PO}$.



3. Angle MTN is congruent to angle QTN . Segment MT is congruent to segment OT . Explain why triangle MTN is congruent to triangle OTN .

