

Chapter 4 – Congruent Triangles

Chapter 4:

- Analyze many triangles to determine patterns and similar qualities.
- Create and prove that two triangles are congruent.

Standard 4.1 –

Analyze many triangles to determine patterns and similar qualities.

Task: Given two triangles write directions for a friend so they can come up with the scale factor and solve for the missing lengths of the triangle. Make sure you make good directions that way a friend can replicate your process.

Rubric

	0	1	2	3
Directions	No Directions given	Directions are unclear and do not make sense	Directions are ok, one can come up with the steps with a little extra work	Directions are clear, easy to follow and correct
Mathematical process	Mathematical process is incorrect			Mathematical process is correct

Standard 4.2

Create and prove that two triangles are congruent.

Task: Construct two triangles and prove how they are the same.

Rubric

	0	1	2	3
Construction	No triangles constructed	One triangle was constructed	Two triangles are constructed	Two identical triangles are constructed
Reasoning	No reasoning	Reasoning does not make sense	Reasoning makes sense but with some logical gaps	Perfect reasoning
Proof	No Proof	Proof is correct		