

Name: _____

Date: _____

Math 101: Assignment 8

1. What does it mean to superimpose?

2. What axiom uses superimposition? What does the axiom state?

3. Jordi and Santos are practicing football in the field. Leonardo wants to join them, but they want to stand so the distance between any two of them is the same. Where do they stand? Why? (*Hint: Use Proposition 1.1*)

4. Ms. Nitya assigned a group project for Math class, and whoever gets it done first, gets extra credit. Justin, Miguel, and Adonis are in one group. Carms, Cecilia, and Sara are in another group. The distance between their houses will determine if they can get their project done fast!

The distance between Justin and Miguel is the same as Carms and Cecilia.

The distance between Justin and Adonis is the same as Carms and Sara.

The angle from Justin to Miguel and Adonis is the same as the angle from Carms to Cecilia and Sara.

Who will finish first and get the extra credit? Why? (*Hint: Use Proposition 1.4*)