

Name \_\_\_\_\_

### DESIGNING A STATUE

Part 1: At the end of Geometry A, you began working with similar figures and dilations. Today's activity is designed to help you work with your team to review these concepts.

Your team has been given the job of designing a statue. The statue will be modeled in the likeness of one of the members of your team. The final statue, when completed, will be 37 feet tall. To make the statue accurately portray the likeness of your team member, you need to take the following measurements and calculate the size that they will need to be on the statue. Show all calculations below!

Measurement	On person	On Statue
Total height:		
Head (from base of the neck to top of head):		
Arm (from shoulder to finger-tip):		
Leg (from hip to heel):		
Foot (from heel to toe):		

Part 2: Designing a Shield: Choose one of the shields below (or create your own outline), and design the interior to include things that your team has in common.

