Section #: \_\_\_\_\_\_\_ Last, First name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Flatness: Gather data from as many points as possible on the target surface.

* The target surface was \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ surface.
* How many points did the instructor measure?
* What was the tolerance value that the instructor put in?
* What’s the reading? Fill out the table below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Feature | Nominal | +TOL | Measure | Deviation | Out-tolerance |
| Flatness |  |  |  |  |  |

2. Circularity: Measure as many points as possible on the target circle.

* The target circle was \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ circle.
* How many points did the instructor measure?
* What was the tolerance value that the instructor put in?
* What’s the reading? Fill out the table below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Feature | Nominal | +TOL | Measure | Deviation | Out-tolerance |
| Circularity |  |  |  |  |  |

3. Cylindricity: Measure as many points as possible on the target cylindrical surface.

* The target surface was \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ surface.
* How many points did the instructor measure?
* What was the tolerance value that the instructor put in?
* What’s the reading? Fill out the table below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Feature | Nominal | +TOL | Measure | Deviation | Out-tolerance |
| Cylindricity |  |  |  |  |  |