

## Surveying Instrument Score Sheet

Team Name: \_\_\_\_\_

Team Members: 1. \_\_\_\_\_

2. \_\_\_\_\_

<b>Scoring Criteria</b>	<b>Possible Points</b>	<b>Points Earned</b>
-------------------------	------------------------	----------------------

**Instrument Set Up & Knowledge**

Instrument Set Up	10	_____
-------------------	----	-------

Knowledge of builder's level, transit, laser	10	_____
--	----	-------

Determining the benchmark (Point A)	10	_____
-------------------------------------	----	-------

**Elevation Readings & Calculations**

Point B	5	_____
---------	---	-------

Point C	5	_____
---------	---	-------

Point D	5	_____
---------	---	-------

Calculate the elevations difference between point A & B	5	_____
---	---	-------

Calculate the elevations difference between point A & C	5	_____
---	---	-------

Calculate the elevations difference between point A & D	5	_____
---	---	-------

Calculate the elevations difference between point B & C	5	_____
---	---	-------

**Cut & Fill**

Calculate the percent slope between A & D	10	_____
---	----	-------

How much fill or cut would be needed between point A & D to create a 4% slope?	10	_____
--	----	-------

Explain what the marks on a grade stake	5	_____
---	---	-------

Explain the difference between an architect's and engineer's story pole	5	_____
---	---	-------

Properly tear down and store equipment	5	_____
--	---	-------

**Total Individual Points**

**100**

Multiple above total points earned by 2 to obtain the team score.

\_\_\_\_\_

Time\* needed to complete this task: \_\_\_\_\_

\*Time is only used as a tie breaker.

Judges' Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Judges' Initials: \_\_\_\_\_