

## AME 21216 – Score Sheet

A1 – Metersticks

NDID#: \_\_\_\_\_

Lab Section (Day/time): \_\_\_\_\_

For more details on any of the items below, please refer to the lab handout.

Item and Description	Points Awarded	Possible Points
<b>Technical writing</b> – Using the correct format, address all questions from the lab handout in the paragraphs.		3
<b>Photo of parabolic fountain jet with dimensions superimposed in <i>symbolic</i> form (i.e. <math>R</math> and <math>H</math>)</b>		4
<b>Equations for initial velocity components in terms of parabola dimensions (make sure the notation matches the symbols on the photo)</b>		2
<b>A table containing:</b> <ul style="list-style-type: none"><li>• Values for the physical dimensions of the parabolic fountain jet</li><li>• Fountain initial velocity x-component <math>v_{x0}</math></li><li>• Fountain initial velocity y-component <math>v_{y0}</math></li><li>• Estimated stagnation pressure inside fountain nozzle</li><li>• Typical household water pressure from a cited reference</li></ul>		5
<b>TOTAL</b>		14

## Technical Writing

- Include a brief, single-paragraph summary of the procedure.
- Discuss the results using college-level English.
- Address the suggested talking points at the end of the lab handout.
- Do *not* write a first-person narrative. Rather, write it as a declaration of objective observations, scientific facts, and logical deductions.

## Guidelines for Deliverables

- Use a 12 point “serifed” font such as Times New Roman.
- Document should be double-spaced.
- Document should have 1” margins in all directions.
- Page numbers are required centered at bottom of screen with the same font as the rest of the document.
- Equations must be numbered.
- All variables must be italicized.
- All variables in equations must be defined (i.e. “where  $c$  is the speed of sound”).
- **Tables** should always be centered with captions *above* labeled Table 1, etc..
- **Tables** should have black text on white background with 12 point Times New Roman.
- **Tables** should have the text centered both horizontally and vertically.
- Theoretical curves should always be smooth and continuous.
- Captions should be the same font as the rest of the document.
- Do *not* use the \* symbol to denote multiplication.
- No titles on graphs.

**References** – Tech memos must include at least one reference. These can be data sheets from the lab website, articles from the internet, the textbook, etc. References should follow the ASME format. (<https://www.asme.org/shop/proceedings/conference-publications/references>)