Name: _____Date: _____ Class: _____

# *Engineering Derby: Tool Ingenuity* Post-Assessment

1. After you completed the obstacle course for the first time, what did you talk about during your post-trial meeting? Did the meeting help your team or not? How did it help (or not help) your team? What did you do differently during your second attempt at the course? (*max 5 points*)

2. Explain, sketch and label a new obstacle course for the Engineering Derby. What challenges does the obstacle course have? *(max 5 points)*

3. Susan and José disagree about which tool to use for the first obstacle. How would engineers resolve the disagreement? *(max 1 point)*
   A. Whoever speaks the loudest wins the argument.
   B. José should be polite and not argue.
   C. Make a list of the pros and cons for each tool.
   D. All of the above.

4. Engineers who design projects and inventions must consider many constraints. A constraint is a type of requirement, restriction or limitation. Name three constraints you faced during the activity. *(max 3 points)*