Engineering Derby: Tool Ingenuity Pre-Assessment Answer Key

Define the following terms. (1 point per question; max 5 points)

1. **Non-conventional:** Something that is different than typical or normal.

2. **Teamwork:** The combined actions of a group of people to accomplish a specific task.

3. **Communication:** The imparting or exchange of information ideas and/or news by speech, writing or signs.

4. **Improvising:** To create or devise a solution by making do, without preparation, when faced with the absence of expected resources or results.

5. **Innovative:** Finding new methods and original ideas.

6. **Constraint:** A limitation or restriction.

Write a response using complete sentences. (max 5 points)

7. Looking at the terms above, which do you think best relate to you, and why? How do you think your strength(s) might help a team of engineers?

Answers will vary.
- Give 1 point for any attempt.
- Give 1 point for validity/accuracy/reasonableness.
- Give 1 point for grammar.
- Give 2 points if student mentions how his/her strengths might help a team.

Total possible points = 10