**Cell Phone Case Scoring Rubric**

1. Compare your rubric constraints to the examples below.

2. Give yourself a score

3. Make corrections to your rubric in another color

4. Re-score your constraints

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| Constraints |
| 1. Redesign must not cost a lot.
2. Redesign must cost less than $2 per phone.
 | \_\_B\_ is the better defined constraint becauseIt is measurable. |
| 1. Redesigned phones must bend less than 5 mm during bend testing.
2. Redesigned phones must bend less than 100 mm during bend testing.
 | \_\_C\_\_ is the better defined constraint becauseIt is more realistic. Option D allows too much bending (100mm), these designs would not be very stiff, and would not really address the problem. |
| E. Redesigned phone covers must use a  stiffer plastic. (The phones already use the stiffest plastic available, to get stiffer plastic, a new plastic would need to be discovered)F. Redesigned phones must use known plastics. (Covers would be made stiffer by changing their shape.) | \_\_F\_\_ is the better defined constraint becauseIt  addresses the problem identified (the poor design) whereas E addresses a different problem (poor materials). |