Describe/Explain
- use words
- connect your claim of reasoning/evidence

Justify: Argument supported by Evidence

Do the work to get the answer
Show: prose, equations, calculations, graphs, physical principles

Calculate: Show your work
Sometimes there are no #s

Derive: Go back to the equation and show algebraically how to get expressions

What is —/Determine just give an answer

Graphs
- Sketch - no scale required
- Bring up Ruler
- Intercepts/Asymptotes

Plot - provide data you need a scale
- best fit line, use a ruler

Signs
Multiple Choice 1.5 hrs

- 50 problems
- 1 hour and 15 minutes
- multiple correct

Free Response 1.5 hrs

1. experimental Design
   - List materials
   - Diagram of materials

2. Qualitative/Quantitative Transduction

3. Short-answer Questions