|  |  |  |  |
| --- | --- | --- | --- |
| ***Part A* Hypothesis** | Control – K  Variables – C  Math relationship – T  Variable order - T |  |  |
| **Table of values** | Constants – K  ~~Headings – T~~  Values – C |  |  |
| **Graph** | ~~Correct variables selected, correct title – T~~  best fit line or curve selected, drawn properly – T  Table of values, (headings, data) correct – K  Points plotted correctly, scale – K  Axes labels - in correct location, error circles around data points – C  Axes labels – English and math, SI units – C | **Conclusion** | Graph referred to – K  Control – K  Variables – C  Math relationship – T  Variable order - T |
| ***Part B* Hypothesis** | Control – K  Variables – C  Math relationship – T  Variable order - T |  |  |
| **Table of values** | Constants – K  ~~Headings – T~~  Values – C |  |  |
| **Graph** | ~~Correct variables selected, correct title – T~~  best fit line or curve selected, drawn properly – T  Table of values, (headings, data) correct – K  Points plotted correctly, scale – K  Axes labels - in correct location, error circles around data points – C  Axes labels – English and math, SI units – C | **Conclusion** | Graph referred to – K  Control – K  Variables – C  Math relationship – T  Variable order - T |
| ***Part C***  **Hypothesis** | Control – K  Variables – C  Math relationship – T  Variable order - T |  |  |
| **Table of values** | Constants – K  ~~Headings – T~~  Values – C |  |  |
| **Graph** | ~~Correct variables selected, correct title – T~~  best fit line or curve selected, drawn properly – T  Table of values, (headings, data) correct – K  Points plotted correctly, scale – K  Axes labels - in correct location, error circles around data points – C  Axes labels – English and math, SI units – C | **Conclusion** | Graph referred to – K  Control – K  Variables – C  Math relationship – T  Variable order - T |
| ***Application* Random Errors** | One stated – A  Explanation about how to reduce stated random error – A | **Systematic Errors** | One stated – A  Explanation about how to reduce stated systematic error – A |
|  | One stated – A  Explanation about how to reduce stated random error – A |  | One stated – A  Explanation about how to reduce stated systematic error – A |