**CSI: Highway Traffic Act: Check Brick**

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| ***Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*** | | **/50 TI** |
| **Calculation Requirements:**   * Equation * Vector diagrams * System diagrams * Correct calculations * Significant digits * Direction * Quality of communication * Completeness | 1. **Equations**  * **Equations used in appropriate situations.** * **Equations are correctly manipulated to find the desired variable.** * **Equations are accurate.** | 0 1 2 4 5 |
| 1. **Vector diagrams**  * **Correctly labeled vector diagrams are present for all 2-D vector calculations.** * **Vectors are well drawn and diagram is close to scale.** | 0 1 2 3 |
| 1. **System diagrams**  * **System Diagrams are labeled with all necessary given and derived information.** | 0 1 2 3 |
| 1. **Calculations**  * **Calculations are accurate, with no mathematical errors.** * **Steps are clearly and logically laid out.** * **Easy to follow.** | 0 2 4 6 8 10 |
| 1. **Significant digits**  * **All answers are written to the correct number of significant digits** * **Answers are rounded only at the result.** | 0 1 2 |
| 1. **Directions**  * **All vectors are properly labeled with correct directions.** | 0 1 2 |
| 1. **Quality of communication**  * **Computations are clear, easy to read and logical.** * **All information is properly labeled** * **Necessary information such as givens are provided** * **A short summary sentence highlights answers to all questions.** | 0 2 4 6 8 10 |
| 1. **Completeness**  * **All necessary information is derived.** * **No steps are missing logically or mathematically.** | 0 3 6 9 12 15 |