| Test Number | Test Case | Description | Expected Results | Actual Results | Extra Notes |
| --- | --- | --- | --- | --- | --- |
| 001 | Properly Identifies A or M or invalid input |  | Output: Confirmation of users input |  |  |
| 002 | Properly Identifies D or C or invalid input |  | Asks the user for data regarding chosen vector |  |  |
| 003 | Correctly Stores polar vectors |  | Properly stores input vector, enabling a correct output |  |  |
| 004 | Correctly Stores rectangular vectors |  | Properly stores input vector, enabling a correct output |  |  |
| 005 | Can convert polar input to rectangular |  | Performs conversion allowing a calculation to occur. |  |  |
| 006 | Can convert rectangular input to polar |  | Performs conversion allowing a calculation to occur. |  |  |
| 007 | Can add together two stored vectors |  | Outputs the correct vector as a result of the operation |  |  |
| 008 | Can perform dot product on two vectors |  | Outputs the correct vector as a result of the operation |  |  |
| 009 | Can perform cross product on two vectors |  | Outputs the correct vector as a result of the operation |  |  |
| 010 | Correctly outputs a vector solution |  | Outputs valid vector in correspondence with previous parameters. |  |  |