Keep in mind that there is more than one correct way to simplify or verify a trigonometric identity. The next page contains the work for the most common approaches. Below are examples of two identities that were likely used. Students are asked to write only one. If students’ responses deviate, check students’ scratch work.

| Card Number | Identity | Points |
| --- | --- | --- |
| A | ;  | 4 |
| B | ;  | 3 |
| C | ;  | 4 |
| D |  | 4 |
| E | ;  | 4 |
| F | ;  | 3 |
| U | ;  | 6 |
| V | ;  | 6 |
| W | ;  | 5 |
| X | ;  | 6 |
| Y | ;  | 5 |
| Z | ;  | 6 |
|  | Total | 56 |

# Card A

Simplify: 

# Card B

Verify: 

# Card C

Simplify: 

# Card D

Verify: 



# Card E

Simplify: 

# Card F

Verify: 

# Card U

Simplify: 



# Card V

Verify: 



# Card W

Simplify: 



# Card X

Verify: 





# Card Y

Simplify: 







# Card Z

Verify: 

