**Quaternion Addition Test**( 3 + 5i + 1j + 7k ) + ( 2 + 4i + 3j + 2k ) = 5 + 9i + 4j + 9k  
  
**Quaternion Substraction Test**( 3 + 5i + 1j + 7k ) - ( 2 + 4i + 3j + 2k ) = 1 + 1i - 2j + 5k  
  
**Quaternion Scalar Multiplication Test**( 3 + 5i + 1j + 7k ) \* 2 = 6 + 10i + 2j + 14k  
-------------------------------------  
 2 \* ( 3 + 5i + 1j + 7k ) = 6 + 10i + 2j + 14k  
  
**Quaternion Scalar Division Test**( 3 + 5i + 1j + 7k ) / 2 = 1,5 + 2,5i + 0,5j + 3,5k  
-------------------------------------  
 2 / ( 3 + 5i + 1j + 7k ) = 0,071 - 0,119i - 0,024j - 0,167k  
  
**Quaternion Multiplication Test**( 3 + 5i + 1j + 7k ) \* ( 2 + 4i + 3j + 2k ) = - 31 + 3i + 29j + 31k  
-------------------------------------  
( 2 + 4i + 3j + 2k ) \* ( 3 + 5i + 1j + 7k ) = - 31 + 41i - 7j + 9k  
  
**Quaternion Division Test**( 3 + 5i + 1j + 7k ) / ( 2 + 4i + 3j + 2k ) = 1,303 + 0,515i - 0,758j - 0,091k  
-------------------------------------  
( 2 + 4i + 3j + 2k ) / ( 3 + 5i + 1j + 7k ) = 0,512 - 0,202i + 0,298j + 0,036k  
  
**Quaternion Inversion Test**( 3 + 5i + 1j + 7k ) ^-1 = 0,036 - 0,06i - 0,012j - 0,083k  
-------------------------------------  
( 3 + 5i + 1j + 7k ) \* ( 0,036 - 0,06i - 0,012j - 0,083k ) = 1 + 0i + 0j + 0k  
  
**Vector [-1, -1, -1] X Axis Rotation By 270 Degrees Test**Vector [ -1,000 -1,000 -1,000 ] rotated along pivot [ 1,000 0,000 0,000 ] by 270 degrees: [ -1,000 -1,000 1,000 ]