

# P4\_Peer\_Assessment

November 19, 2023

1 c.

```
[1]: import numpy as np
      from numpy.linalg import norm

      def normalize(v):
          k = 1 / norm(v)
          return np.dot(k, v)

      v = np.array([-1,-2,2])
```

```
[2]: normalize(v)
```

```
[2]: array([-0.33333333, -0.66666667,  0.66666667])
```

```
[3]: norm(normalize(v))
```

```
[3]: 0.9999999999999999
```