Matrix Multiplication using Numpy:

```
In [1]: import numpy as np

In [4]: x = np.array([1,2])
        w = np.random.randn(3,2)
        b = 1

        h = w.dot(x) + b

In [12]: h.shape

Out[12]: (3,)

In [24]: h=h.reshape((3,1))

In [25]: h

Out[25]: array([[-0.56692122],
                [-1.46837044],
                [-2.21104227]])

In [18]: h.shape

Out[18]: (3, 1)

In [21]: h = np.transpose(h)

In [22]: h

Out[22]: array([[-0.56692122, -1.46837044, -2.21104227]])
```