

Part A (Matlab Tutorial)

Exercise 5: let $p(t) = -1 + 3t - 2t^2$ -that is, p is a polynomial. Use Matlab to compute the value of p at each of the entries of x . The first entry of this matrix should be $p(7)$ since the first entry of x is 7. The last entry of this matrix should be $p(2)$ since 2 is the last entry of x

Solution:

```
x = [7 1 8 2]
```

```
x =
```

```
7      1      8      2
```

```
p = -1+3*x-2*x.^2
```

```
p =
```

```
-78      0  -105     -3
```