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## Problem 3

### Initializing value of t and y

```
t = 0:pi/30:pi;  
y = cos(t);
```

#### a) Answer

```
sumT = sum(t)  
% Adds all the element of t
```

```
sumT =  
  
48.6947
```

#### b) Answer

```
sumTandY = t*y'  
% It is same as doing dot productIt multiplies all the corresponding  
elements of matrix t and y and adds them.
```

```
sumTandY =  
  
-20.6869
```

#### c) Answer

```
sumTsqr = sum(t.^2)  
% It adds all the elements of matrix t^2.
```

```
sumTsqr =  
  
103.6857
```

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