Exercises 4.4

2. Using integration, calculate the length of the element in the last exer-cise.

```
clear all clc
```

```
syms xi
```

```
C = [1 1; 3 1; 2 2];
J = C'* lin_deriv (xi);
eqs = norm(J);
L = int(eqs, -1, 1)
```

```
\frac{L = \frac{\log(\sqrt{5} + 2)}{2} + \sqrt{5}
```