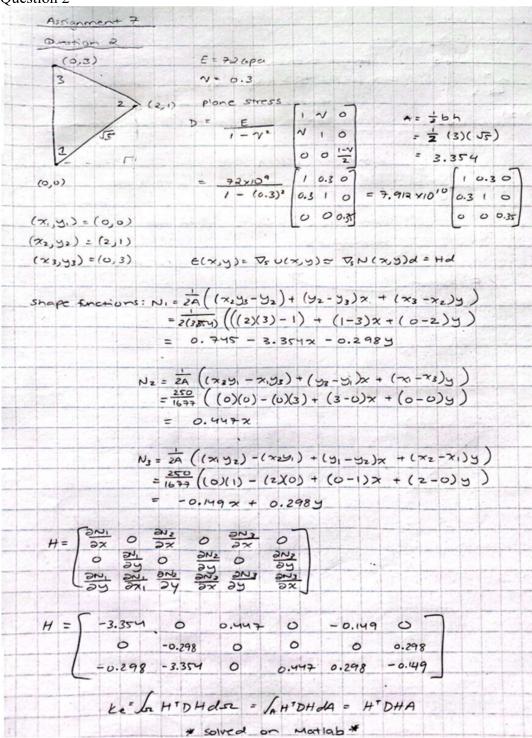


Question 2



```
Ke =
```

MATLAB Code:

```
H= [-3.354 0 0.447 0 -0.149 0; 0 -0.298 0 0 0 0.298; -0.298 -3.354 0 0.447 0.298 -0.149];
Ht=transpose(H);
A= 3.354;
D= (7.912*10^10) .* [1 0.3 0; 0.3 1 0; 0 0 0.35];

Ke= Ht*D*H.*A %%in terms of (Pa*m)
```