Contents

Part A

```
echo on
%Part A
T1_mA = [ 6 6 1; 4 4 1; 5 2 1];
Area_T1 = 0.5 * det(T1_mA)

T2_mA = [ 6 6 1; 1 4 1; 4 4 1];
Area_T2 = 0.5 * det(T2_mA)

T3_mA = [ 4 4 1; 1 4 1; 5 2 1];
Area_T3 = 0.5 * det(T3_mA)
```

```
%Part A
T1_mA = [ 6 6 1; 4 4 1; 5 2 1];
Area_T1 = 0.5 * det(T1_mA)

Area_T1 =

    3.0000


T2_mA = [ 6 6 1; 1 4 1; 4 4 1];
Area_T2 = 0.5 * det(T2_mA)

Area_T2 =

     3


T3_mA = [ 4 4 1; 1 4 1; 5 2 1];
Area_T3 = 0.5 * det(T3_mA)

Area_T3 =

    3.0000
```

Part B

```
PB_T1_mA = [ 6 6 1; 4.5 3 1; 5 2 1];
PB_Area_T1 = 0.5 * det(PB_T1_mA)

PB_T2_mA = [ 6 6 1; 1 4 1; 4.5 3 1];
PB_Area_T2 = 0.5 * det(PB_T2_mA)

PB_T3_mA = [ 4.5 3 1; 1 4 1; 5 2 1];
PB_Area_T3 = 0.5 * det(PB_T3_mA)

Cyan_pArea = PB_Area_T1/9
Magenta pArea = PB Area T2/9
```

```
Yellow_pArea = PB_Area_T3/9

echo off
```

```
%% Part B

PB_T1_mA = [ 6 6 1; 4.5 3 1; 5 2 1];
PB_Area_T1 = 0.5 * det(PB_T1_mA)

PB_Area_T1 =

    1.5000


PB_T2_mA = [ 6 6 1; 1 4 1; 4.5 3 1];
PB_Area_T2 = 0.5 * det(PB_T2_mA)

PB_Area_T2 =

    6.0000


PB_T3_mA = [ 4.5 3 1; 1 4 1; 5 2 1];
PB_Area_T3 = 0.5 * det(PB_T3_mA)

PB_Area_T3 =

    1.5000


Cyan_pArea = PB_Area_T1/9

Cyan_pArea =

    0.1667

Magenta_pArea = PB_Area_T2/9

Magenta_pArea =

    0.6667

Yellow_pArea = PB_Area_T3/9

Yellow_pArea =

    0.1667


echo off
```

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