

大問 1

```
#include <stdio.h>
```

```
void bmi_and_apw(double,double,double *,double *);
```

```
int main(){
```

```
    double height,weight;
```

```
    double bmi,apw;
```

```
    printf("身長を入力: ");
```

```
    scanf("%lf",&height);
```

```
    printf("体重を入力: ");
```

```
    scanf("%lf",&weight);
```

```
    bmi_and_apw(height,weight,&bmi,&apw);
```

```
    printf("BMI = %lf です¥n",bmi);
```

```
    printf("適正体重 = %lf です¥n",apw);
```

```
    return 0;
```

```
}
```

```
void bmi_and_apw(double height,double weight,double *bmi,double *apw){
```

```
    *bmi = weight / height / height;
```

```
    *apw = height * height * 22;
```

```
}
```

大問 2

```
#include <stdio.h>
```

```
void degree_to_radian(double *,double *,int);
```

```
int main(){
```

```
    int i;
```

```
    double degrees[5];
```

```

double radians[5];

for(i=0;i<5;i++){
    scanf("%lf",&degrees[i]);
}
degree_to_radian(degrees,radians,5);

for(i=0;i<5;i++){
    printf("%lf deg = %lf rad\n",degrees[i],radians[i]);
}

return 0;
}

void degree_to_radian(double*degrees,double *radians,int n){
    int i;

    for(i=0;i<n;i++){
        *(radians + i) = *(degrees + i) * 3.141592653 /180;
    }
}

```