1. **circle.m**

function [area, cf] = circle(r)

area = r.^2 \* pi;

cf = 2 \* r \* pi;

end

1. **even\_index.m**

function E = even\_index(A)

E = A(2:2:end,2:2:end);

end

1. **flip\_it.m**

function v = flip\_it(v)

v = v(end:-1:1);

end

1. **top\_right.m**

function A = top\_right(A,n)

A = A(1:n,end-n+1:end);

end

1. **peri\_sum.m**

function s = peri\_sum(A)

B = A(2:end-1,2:end-1);

s = sum(A(:)) - sum(B(:));

end

OR

function s = peri\_sum(A)

B = A(2:end-1,2:end-1);

s = sum(A(:)) - sum(B(:));

end

1. **light\_speed.m**

function [t m] = light\_speed(km)

t = km / 3e5 / 60;

m = km / 1.609;

end

1. **accelerate.m**

function a = accelerate(F1,F2,m)

F = F1 + F2;

f = sqrt(sum(F.^2));

a = f/m;

end

1. **income.m**

function s = income(rate,price)

s = 6 \* 2 \* 8 \* rate \* price';

end

OR

function s = income(rate,price)

s = 6 \* 2 \* 8 \* sum(rate .\* price);

end