14.

%Horner.m

function [P] = Horner(a, c)

b = zeros(size(a));

b(size(a)) = a(size(a));

for i = size(a, 1) - 1:-1:1

b(i) = b(i + 1) \* c + a(i);

end

P = b(1);

end

(a)

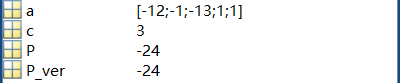
%a14.m

a = [-12; -1; -13; 1; 1];

c = 3;

[P] = Horner(a, c);

P\_ver = [1, c, c^2, c^3, c^4] \* a;



(b)

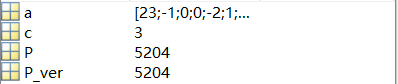
%b14.m

a = [23; -1; 0; 0; -2; 1; 1; 2];

c = 3;

[P] = Horner(a, c);

P\_ver = [1, c, c^2, c^3, c^4, c^5, c^6, c^7] \* a;



1.

%abc1.m

temp = [2.71828182; 98.350; 0.000068];

temp\_a = [2.7182; 98.000; 0.00006];

E = abs(temp - temp\_a);

R = E ./ abs(temp);

Ex = E(1);

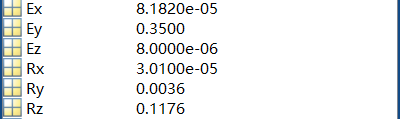
Rx = R(1);

Ey = E(2);

Ry = R(2);

Ez = E(3);

Rz = R(3);



3.

(a)

取

取

(b)

取

取

9.