```
>> bisection (@(x) 2*x^2 - 5*x + 3,0.6,1.2,100,0.00001)
r = 1.000003e+00
f(r) = -3.051739e-06

ans =

    1.0000

>> bisection (@(x) 5*x^4-2.7*x^2-2*x+0.5,0.1,0.5,100,0.00001)
r = 2.000000e-01
f(r) = 0

ans =

    0.2000

>> bisection (@(x) 2.5*x^2-3*x+0.5,0.0,0.5,100,0.00001)
r = 2.000046e-01
f(r) = -9.155221e-06

ans =

    0.2000

>> bisection (@(x) x^2-3,1,2,100,0.00001)
r = 1.732048e+00
f(r) = -9.605603e-06

ans =

    1.7320

>> bisection (@(x) x^2-3,0,4,100,0.00001)
r = 1.732048e+00
f(r) = -9.605603e-06

ans =

    1.7320

>> bisection (@(x) x^3+x-3,0,4,100,0.00001)
r = 1.213417e+00
f(r) = 2.920079e-05

ans =
```

```
    1.2134

>> bisection (@(x) x^3-x-3,1,2,100,0.00001)
r = 1.671700e+00
f(r) = -2.641395e-06

ans =

    1.6717

>> bisection (@(x) x^3+3*x-5,1,2,100,0.00001)
r = 1.154167e+00
f(r) = -3.022332e-05

ans =

    1.1542

>> bisection (@(x) x^3+x^2+x-8,1,2,100,0.00001)
r = 1.578224e+00
f(r) = 4.323811e-05

ans =

    1.5782

>> bisection (@(x) x^2-2,1,2,100,0.00001)
r = 1.414207e+00
f(r) = -1.726433e-05

ans =

    1.4142
```