```
(*
 MATHEMATICA DEMO OF
  MONTE CARLO HIT OR MISS METHOD
 *)
Nhit = 0;
MaxTrials = 100;
Do[{
   a = Random[];
   b = Random[];
   d = √(a^2 + b^2);
   If[d ≤ 1, Nhit = Nhit + 1]}, {i, MaxTrials}];
pi = (4.0 Nhit)/(1.0 MaxTrials);
Print["Estimate of π: ", pi]
```

```
Estimate of π: 3.16
```