

```
1 namespace RepasoCurso
2 {
3     public class Equation
4     {
5         private double _a;
6         private double _b;
7         private double _c;
8
9         public Equation()
10        {
11
12        }
13
14        public Equation(double a, double b, double c)
15        {
16            _a = a;
17            _b = b;
18            _c = c;
19        }
20
21        private double GetDiscriminante()
22        {
23            return Math.Sqrt((_b * _b) - (4 * _a * _c));
24        }
25
26        public bool FunctionHasTwoSolutions()
27        {
28            double discriminante = GetDiscriminante();
29            return discriminante > 0;
30        }
31
32        public bool FunctionHasOneSolution()
33        {
34            double discriminante = GetDiscriminante();
35            return discriminante == 0;
36        }
37
38        public (double,double) GetSolution()
39        {
40            (double sol1, double sol2) solution;
41            double discriminante = GetDiscriminante();
42
43            double operation1 = -_b + discriminante;
44            solution.sol1 = operation1 / (2 * _a);
45
46            double operation2 = -_b - discriminante;
47            solution.sol2 = operation2 / (2 * _a);
48
49            return solution;
50        }
51    }
52 }
```