

```
/*
```

```
* Define method in the class Algebra to find the difference in the two  
expressions given
```

```
*  $f_1(x) = x^2 + 2x + 4$ 
```

```
*  $f_2(y) = -y^2 - 20y - 1$ 
```

```
*  $f_3 = f_1(x) - f_2(y)$ 
```

```
* Where values of x and y will be passwrd to the main() method
```

```
*/
```

```
public class Algebra {
```

```
    int compute(int x, int y) {
```

```
        int fx = x * x + 2 * x + 4;
```

```
        int fy = -(y * y) - 20 * y - 1;
```

```
        int fxy = fx - fy;
```

```
        return fxy;
```

```
    }
```

```
    public static void main(String[] args) {
```

```
        int x = 5;
```

```
        int y = 10;
```

```
        Algebra obj = new Algebra();
```

```
        int result = obj.compute(x, y);
```

```
        System.out.println(result);
```

```
    }}
```

Output:

The square of the number is 25

The cube of the number is 125