```
Enter a value for x: 3
Enter a value for y: 5
x^2 + 2xy + y^2 = 64
-- program is finished running --
```

```
Enter a value for x: 7
Enter a value for y: 9
x^2 + 2xy + y^2 = 256
-- program is finished running --
```

```
Enter a value for x: 10
Enter a value for y: 4
x^2 + 2xy + y^2 = 196
-- program is finished running --
```

3 2 1
$x^2+2xy+y^2$
$x=3, y=5$ (3) $(3)^2+2(3)(5)+(5)^2$
9 + 30 + 25
39+16
(64) 1 matches code
arton
x=7,y=9 (2)2+2(7)(9)+(9)2
49 + 126+81
175+81
(256) / Matches code output
x=10, y=4 (10)2+2(10)(4)+(4)2
100 + 80 + 116
(196) / mortches code
ratio