Practice 5 - Variable - Input - Output - BODMAS

Task 01: Input x1, x2, y1, y2 and find distance using formula: $\sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$

Sample Run:

```
x1: 2
x2: 3
y1: 5
y2: 7
Distance: 2.24
```

2. Input radius and find volume of the sphere: $\frac{4}{3}\pi r^3$

Sample Run:

```
radius: 4
Volume: 268.0825731
```

3. Input values given on the left hand side of the equations. Calculate and print right side parameters using left side expressions: $v_f = v_i + at$ $v_f{}^2 = v_i{}^2 + 2ad$ d= $v_i t + \frac{1}{2}at^2$

Sample Run 1:

```
initial velocity: 5
acceleration: 2
time: 4
Final Velocity: 13
```

Sample Run 2:

```
initial velocity: 5
acceleration: 2
distance: 4
Final Velocity Sq: 41
```

Sample Run 3:

```
initial velocity: 5
acceleration: 2
time: 4
Distance: 36
```

4. Input x & y. Calculate and print expression without using power function: $x^3 - y^3 - 3x^2y + 3xy^2 - y^3$

Sample Run:

```
x: 5
y: 3
Result: 8
```