

Exploring the World of Math

Name: _____ Date: _____

Quiz 1

1. Write a Fibonacci sequence between 1 and 60

| F_1 | F_2 | F_3 | F_4 | F_5 | F_6 | F_7 | F_8 | F_9 | F_{10} |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | | | | | | | | | |

2. Compute the following:

- F_3
- $F_3 + 5$
- F_{4+1}
- $F_{50/10}$
- $F_1 + F_3 + F_5$

3. Compute the next Fibonacci number after 55 and 89

4. Compute the Fibonacci number before 55 and 89

5. Compute the following:

- $\sqrt{9}$
- $\sqrt{5}$
- 8^2
- $(3 + 7)^2$
- $(1 + \sqrt{4})^2$
- 1.618^3