

Warm Up 4.2.1

1. What does *discrete* mean in mathematics?

Explain, give examples and representations.

2. What does *continuous* mean in mathematics?

Explain, give examples and representations.

3. Create an arithmetic sequence. Write it down.

4. Make a table and graph for the sequence you just made.

5. Is the sequence you just made discrete or continuous?

6. What would need to happen for your graph to become continuous?

7. Domain and Range

8. Use $x=5$ as an input in each function.

$$f(x)=f(x-1)+3; f(1) = 4$$

$$g(x)= 4x - 3$$

9. Use $x = 3.25$ as an input in each function.

$$f(x) = f(x-1) + 3; f(1) = 4$$

$$g(x) = 4x - 3$$