Writing the Terms of a Sequence

A sequence is a function whose domain is the set of positive integers

Sequence

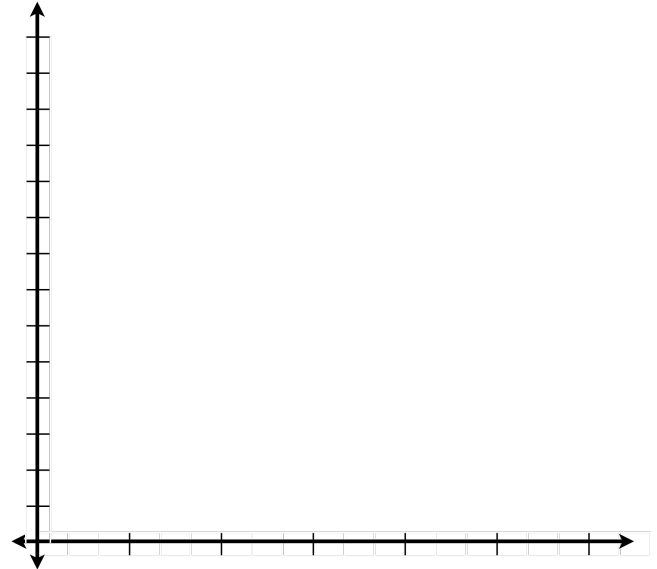$$f(x) = 2x + 1$$

$$a_n = 2n + 1$$

a_2 a_4 a_6

Find the first four terms of the following sequence...

$$a_n = \frac{1}{n + 1}$$

a_1 a_3

a_2 a_4

Find the first four terms of the following sequence...

$$a_n = (-1)^n (n^2 - 1)$$

a_1 a_3

a_2 a_4

Find the a_3, a_6, and a_8 for the following sequence...

$$a_n = \begin{cases} n^2 + 2 & \text{if } n \text{ is even} \\ 4n - 1 & \text{if } n \text{ is odd} \end{cases}$$

a_3 a_6 a_8

Find the a_3, a_6, and a_8 for the following sequence...

$$a_n = \frac{n}{2^{n+1}}$$

a_3 a_6 a_8