

None, Antennae - Antennae - Antennae?

Introductions by Neoponera

Find the next three terms in each sequence.

$$1, 2, -3, 5, -12, 23, \dots$$

None, _____

None, _____ Period, _____

$$1, 2, 10, 26, 50, 82, \dots$$

$$1, 2, 3, 5, 8, 13, 21, \dots$$

$$= \frac{1}{2}, \frac{1}{3}, \frac{1}{5}, \frac{1}{8}, \frac{1}{13}, \dots$$

$$1, 2, 3, 5, 8, 13, 21, \dots$$

$$1, 2, 3, 5, 8, 13, 21, \dots$$

$$1, 2, \frac{5}{2}, \frac{11}{2}, \frac{21}{2}, \frac{41}{2}, \dots$$

$$1, -1, 1, -1, -1, 1, -1, \dots$$

Find the next three terms in each sequence.

$$1, -2, \frac{5}{2}, \frac{11}{2}, \frac{21}{2}, \dots$$

$$1, 2, 3, 5, 8, 13, \dots$$

$$1, 2, 3, 5, 8, 13, 21, \dots$$

$$1, 2, 3, 5, 8, 13, 21, \dots$$

$$1, 2, -3, 5, -12, 23, -48, \dots$$

$$1, 2, 3, 5, 8, 13, \frac{21}{2}, \dots$$

$$1, 2, -3, 5, -12, 23, -48, 95, \dots$$

$$1, 2, 3, 5, 8, 13, 21, \dots$$

Find the next three terms in each sequence.

$$\text{Diff } a_2 = \frac{\text{Diff } a_1}{a_1^2}$$

$$\text{Diff } a_2 = p^{n+1}$$

$$\text{Diff } a_2 = p^n = 1$$

$$\text{Diff } a_2 = \frac{p^n}{\text{Diff } a_1}$$