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A sequence is defined by

$$x_{n+1} = -\frac{1}{4}x_n \text{ with } x_1 = 32$$

The first four terms of the sequence are

$$32, -8, 2, -0.5$$

Which one of the following can be used to describe this sequence?

Circle your answer.

[1 mark]

Convergent

Decreasing

Increasing

Periodic