13 The first term of a sequence is 1. After this, the next term is found by multiplying the previous term by $\frac{1}{2}$. For an integer n, which of the following correctly defines the terms of this sequence?

Ⓐ $a_1 = 1$
$a_{n+1} = \frac{1}{2} a_{n-1}$ for $n \geq 2$

Ⓑ $a_1 = 1$
$a_{n-1} = \frac{1}{2} a_n$ for $n \geq 2$

Ⓒ $a_1 = 1$
$a_n = \frac{1}{2} a_{n+1}$ for $n \geq 2$

Ⓓ $a_1 = 1$
$a_n = \frac{1}{2} a_{n-1}$ for $n \geq 2$

14 A sequence is defined below.

$$s_n = 3(n-1) + 1$$

Which of the following statements is true?

Ⓐ The function $f(x) = 3x - 2$ defines the same sequence on the domain of positive integers.

Ⓑ The function $f(x) = 3x + 1$ defines the same sequence on the domain of positive integers.

Ⓒ The function $f(x) = 3x - 2$ defines the same sequence on the domain of rational numbers.

Ⓓ The function $f(x) = 3x + 1$ defines the same sequence on the domain of rational numbers.