C11 - 1.5 - Infinite Geometric Sequences HW

What is the sum of the infinite sequence?

$\underline{\quad 4 \quad}$, $\underline{\quad 2 \quad}$, $\underline{\quad 1 \quad}$, ...

$\underline{\quad 2 \quad}$, $\underline{\quad 4 \quad}$, $\underline{\quad 8 \quad}$, ...

$\underline{\quad 1 \quad}$, $\underline{\quad \frac{1}{2} \quad}$, $\underline{\quad \frac{1}{4} \quad}$, ...

$\underline{\quad -1 \quad}$, $\underline{\quad -\frac{1}{2} \quad}$, $\underline{\quad -\frac{1}{4} \quad}$, ...

$\underline{\quad 2 \quad}$, $\underline{\quad 6 \quad}$, $\underline{\quad 18 \quad}$, ...

$t_1 = 2, r = 2$

$t_1 = 8, r = \frac{1}{2}$