

Geometric Sequences: Finding explicit and recursive rules starting with $n = 1$

Identify the common ratio. Write a recursive function and an explicit function for each sequence.

1. 5, 10, 20, 40, 80, _____, _____, _____ Common Ratio:
Recursive Function: _____ Explicit Function _____

2. 1000, 500, 250, 125, _____, _____, _____ Common Ratio:
Recursive Function: _____ Explicit Function _____

3. 4, 12, 36, 108, _____, _____, _____ Common Ratio:
Recursive Function: _____ Explicit Function _____

4. 4, 16, 64, 256, _____, _____, _____ Common Ratio:
Recursive Function: _____ Explicit Function _____

5. 4000, 1000, 250, 62.5, _____, _____, _____ Common Ratio:
Recursive Function: _____ Explicit Function _____

Geometric Sequences: Finding explicit and recursive rules starting with $n = 0$

Identify the common ratio. Write a recursive function and an explicit function for each sequence.

1. 5, 10, 20, 40, 80, _____, _____, _____ Common Ratio:
Recursive Function: _____ Explicit Function _____

2. 1000, 500, 250, 125, _____, _____, _____ Common Ratio:
Recursive Function: _____ Explicit Function _____

3. 4, 12, 36, 108, _____, _____, _____ Common Ratio:
Recursive Function: _____ Explicit Function _____

4. 4, 16, 64, 256, _____, _____, _____ Common Ratio:
Recursive Function: _____ Explicit Function _____

5. 4000, 1000, 250, 62.5, _____, _____, _____ Common Ratio:
Recursive Function: _____ Explicit Function _____