Find the missing terms for each geometric sequence and state the common ratio

1. 1, 3, __, 27, __
   Common ratio____

2. 2, __, 18, 54, __
   Common ratio____

3. 3, __, __, 24, 48
   Common ratio____

4. __, __, 20, 40, 80
   Common ratio____

5. 1, 4, 16, __, ______
   Common ratio____

6. 80, __, 20, 10, 5, ______
   Common ratio____

Two consecutive terms in a geometric sequence are given. Find the common ratio, the recursive formula, and the explicit formula

7. If f(0) = 2 and f(1) = 8 then f(2) = ______ and f(3) = __________
   Common ratio____  Recursive rule____________  Explicit Rule____________

8. If f(1) = 4 and f(2) = 8 then f(3) = ______ and f(4) = __________
   Common ratio____  Recursive rule____________  Explicit Rule____________

9. If f(2) = 9 and f(3) = 3 then f(4) = ______ and f(5) = __________
   Common ratio____  Recursive rule____________  Explicit Rule____________

10. If f(3) = 16 and f(4) = 32 then f(5) = ______ and f(6) = __________
    Common ratio____  Recursive rule____________  Explicit Rule____________

11. If f(4) = 16 and f(5) = 8 then f(5) = ______ and f(6) = __________
    Common ratio____  Recursive rule____________  Explicit Rule____________

12. If f(5) = 40 and f(6) = 80 then f(5) = ______ and f(6) = __________
    Common ratio____  Recursive rule____________  Explicit Rule____________