Common Ratios and Next Terms

Directions: Find the common ratio and write the next three terms. Show all work.

1. Find the common ratio and write the next three terms: $3,\ 6,\ 12,\ 24,\ \ldots$

2. Find the common ratio and write the next three terms: $5,\ 15,\ 45,\ 135,\ \ldots$

3. Find the common ratio and write the next three terms: $48,\ 24,\ 12,\ 6,\ \ldots$

4. Find the common ratio and write the next three terms: $81,\ 27,\ 9,\ 3,\ \ldots$

5. Find the common ratio and write the next three terms: $4,\ -8,\ 16,\ -32,\ \ldots$

6. Find the common ratio and write the next three terms: $64,\ -32,\ 16,\ -8,\ \ldots$

7. Find the common ratio and write the next three terms: $2,\ 8,\ 32,\ 128,\ \ldots$

8. Find the common ratio and write the next three terms: $625,\ 125,\ 25,\ 5,\ \ldots$

9. Find the common ratio and write the next three terms: $-3,\ -9,\ -27,\ -81,\ \ldots$

10. Find the common ratio and write the next three terms: $-80,\ 40,\ -20,\ 10,\ \ldots$

11. Find the common ratio and write the next three terms: $7,\ \frac{14}{3},\ \frac{28}{9},\ \frac{56}{27},\ \ldots$

12. Find the common ratio and write the next three terms: $243,\ -81,\ 27,\ -9,\ \ldots$