Sequences Practice 3.5.1

Find the next terms in each sequence. Then write recursive and explicit formulas for the each sequence (assume that the beginning of each sequences is the 1st term, not the 0th).

1. The following is an arithmetic sequence that starts **4, 8, _____, _____, _____,....**

    a. **Recursive Formula:**

    b. **Explicit Formula:**

2. The following is a geometric sequence that starts **4, 8, _____, _____, _____,....**

    a. **Recursive Formula:**

    b. **Explicit Formula:**

3. The following is an arithmetic sequence that starts **5, 20, _____, _____, _____,....**

    a. **Recursive Formula:**

    b. **Explicit Formula:**

4. The following is a geometric sequence that starts **5, 20, _____, _____, _____,....**

    a. **Recursive Formula:**

    b. **Explicit Formula:**

5. The following is a geometric sequence that starts **3, 9, _____, _____, _____,....**

    a. **Recursive Formula:**

    b. **Explicit Formula:**

6. The following is an arithmetic sequence that starts **3, 9, _____, _____, _____,....**

    a. **Recursive Formula:**

    b. **Explicit Formula:**