

Geometric Sequence

Determine whether each set of numbers given below forms a geometric sequence.

1) $-27, 189, -1323, 9261, -64827, \dots$

2) $53, 3, -57, -127, -207, \dots$

3) $6, 90, 1350, 20250, 303750, \dots$

4) $-\frac{\sqrt{10}}{3}, \sqrt{10}, -3\sqrt{10}, 9\sqrt{10}, -27\sqrt{10}, \dots$

5) $-40, -49, -50, -59, -60, \dots$

6) $0.2, 2.4, 28.8, 345.6, 4147.2, \dots$

7) $142, 127.8, 113.6, 99.4, 85.2, \dots$

8) $\frac{15}{16}, \frac{9}{8}, \frac{27}{20}, \frac{81}{50}, \frac{243}{125}, \dots$

9) $10000, 1000, 100, 10, 1, \dots$

10) $-7, -3, 1, 5, 9, \dots$
