Name : _____

Geometric Sequence

Determine whether the given sequence is geometric. If it is geometric, find the common ratio(r).

1) 100, 130, 169, 219.7, 285.61, ...

2) 3, −27, 243, −2187, 19683, ...

3) −11, −20, −31,

$\dfrac{3\sqrt{3}}{125\sqrt{2}}$, ...

_____

5) 175, 35, 7, 1.4,

0, ...

7) $\dfrac{2}{7}, \dfrac{8}{21}, \dfrac{32}{63}, \dfrac{12}{18}$

−3.2, −4, ...

9) 16, 9, 2, −5, −12, ...

10) 1, 14, 196, 2744, 38416, ...