

Name : \_\_\_\_\_

## Geometric Sequence

Find the next three terms of each geometric sequence.

1)  $-4, -12, -36, -108, -324, \dots$

2)  $11, 55, 275, 1375, 6875, \dots$

3)  $54, 108, 216, 432, \dots$

$38.4, 153.6, \dots$

5)  $-\frac{8}{9}, -\frac{2}{3}, -\frac{1}{2}, -\frac{3}{8}, \dots$

$8\sqrt{6}, \dots$

7)  $488, 146.4, 43.92, \dots$

$29, -243, \dots$

9) Twenty concert tickets were sold by 11 a.m. If tickets were issued at the same pace, how many tickets were sold by 12 p.m., 1 p.m. and 2 p.m. respectively?

by 10 a.m., and

10) Mary began her career with a pay of \$28,000 per annum in the year 2015. The following year her salary was hiked to \$33,600. In 2017, she got a raise and her salary was revised to \$40,320. Determine her earnings for the next three years, assuming her salary continues to increase at the same rate.

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