Name : _____

Geometric Sequence - MCQ

Sheet 1

1) Which of the following is a geometric progression?

a) 21, 53, 85, 117, ... b) 9.2, 27.6, 82.8, 248.4, ... c) $5, 5+\sqrt{2}, 7, 7+\sqrt{2}, \ldots$

2) Which of the following sequence is a geometric sequence?

a) 32, 160, 800, 4000, ... b) $\frac{2}{5}, \frac{61}{40}, \frac{53}{20}, \frac{151}{40}, \frac{49}{10}, \ldots$ c) −19, −18, −15, −10, ...

3) Which of the following is not a geometric progression?

a) −13, −195, −2925, ... b) 10, 50, 250, 1250, ... c) −201, −303, −405, ...

4) Which of the following sequence is a geometric sequence?

a) 9.5, 19.5, 29.5, 39.5, ... b) $\frac{2}{3}, \frac{4}{5}, \frac{24}{25}, \frac{144}{125}, \frac{864}{625}, \ldots$ c) 4.1, 6.1, 10.1, 16.1, ...

5) Which of the following is not a geometric progression?

a) 1, 3, 9, 27, 81, ... b) 8, 48, 288, 1728, ... c) 49, 159, 269, 379, ...

6) Which of the following sequence is not a geometric sequence?

a) 45, 135, 405, 1215, ... b) −12, −24, −48, −84,... c) 76.2, 381, 1905, ...

7) Which of the following is a geometric progression?

a) 9.5, 39.9, 167.58, ... b) 5.2, 7.4, 10.6, 12.8, 16, ... c) $\frac{53}{3}, \frac{109}{6}, \frac{56}{3}, \frac{115}{6}, \ldots$

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Answer key

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