

Name : _____

Arithmetic Sequence - MCQ

- 1) Which of the following sequence is an arithmetic progression?
a) 3, 12, 48, 192, 768, ... b) -5, -10, -15, -20, -25, ... c) 6.5, 26.5, 56.5, 96.5, ...

- 2) Which of the following is not an arithmetic sequence?
a) -36, -30, -22, -12, ... b) 3, 12, 21, 30, 39, ... c) 21, 42, 63, 84, 105, ...

- 3) Which of the following sequence is an arithmetic progression?
a) 0.2, 0.4, 0.8, 1.6, ... b) $2\sqrt{2}, 5\sqrt{2}, 8\sqrt{2}, 11\sqrt{2}, \dots$ c) -4, -12, -36, -108, ...

- 4) Which of the following sequence is not an arithmetic progression?
a) 0.16, 0.24, 0.32, 0.4, ... b) -31, -61, -91, -121, ... c) $\frac{3}{7}, \frac{17}{7}, \frac{45}{7}, \frac{87}{7}, \frac{143}{7}, \dots$

- 5) Which of the following is an arithmetic sequence?
a) -64, -57, -50, -43, ... b) 20, 10, 5, 2.5, 1.25, ... c) -52, -62, -82, -112, ...

- 6) Which of the following sequence is not an arithmetic progression?
a) $\frac{5}{6}, \frac{35}{24}, \frac{25}{12}, \frac{65}{24}, \frac{10}{3}, \dots$ b) 0.24, 1.44, 2.64, 3.84, ... c) $\frac{2}{3}, \frac{4}{9}, \frac{8}{27}, \frac{16}{81}, \frac{32}{243}, \dots$

- 7) Which of the following is an arithmetic sequence?
a) 0.3, 50.3, 100.3, 150.3, ... b) 6, 9, 15, 24, 36, ... c) $\sqrt{2}, \sqrt{6}, \sqrt{18}, \sqrt{54}, \dots$

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