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, -   21, 42, 63, 84, 105, ...

3) Which of the foll   ession?

   a) 0.2, 0.4, 0.8, 1.6   −4, −12, −36, −108, ...

4) Which of the foll   ogression?

   a) 0.16, 0.24, 0.32 $\dfrac{3}{7}, \dfrac{17}{7}, \dfrac{45}{7}, \dfrac{87}{7}, \dfrac{143}{7}, ...$

5) Which of the foll

   a) −64, −57, −50, -   −52, −62, −82, −112, ...

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6) Which of the following sequence is not an arithmetic progression?

   a) $\dfrac{5}{6}, \dfrac{35}{24}, \dfrac{25}{12}, \dfrac{65}{24}, \dfrac{10}{3}, ...$ b) 0.24, 1.44, 2.64, 3.84, ...   c) $\dfrac{2}{3}, \dfrac{4}{9}, \dfrac{8}{27}, \dfrac{16}{81}, \dfrac{32}{243}, ...$

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) $\sqrt{2}, \sqrt{6}, \sqrt{18}, \sqrt{54}, ...$