Arithmetic Sequence - MCQ

1) Which of the following sequence is an arithmetic progression?

a) $-\dfrac{8}{9}, \dfrac{10}{9}, \dfrac{46}{9}, \dfrac{100}{9}, \ldots$

b) 507, 487, 467, 447, ...

c) $-\dfrac{11}{7}, -\dfrac{11}{14}, -\dfrac{11}{28}, -\dfrac{11}{56}, \ldots$

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

a) 152, 167, 197, ...

−2, −23, −44, −65, ...

3) Which of the foll

a) −10, −40, −160,

214, 218, 226, 238, ...

4) Which of the foll

a) 2.3, 9.2, 36.8, 1

5.6, 6.7, 7.8, 8.9, 10, ...

5) Which of the foll   ession?

a) 1.7, 13.6, 108.8

82, 113, 144, 175, ...

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6) Which of the following is an arithmetic sequence?

a) 2, 12, 72, 432, 2592, ...

b) −34, −41, −55, −76, ...

c) $\sqrt{6}, 3\sqrt{6}, 5\sqrt{6}, 7\sqrt{6}, \ldots$

7) Which of the following is not an arithmetic sequence?

a) −13, −38, −63, −88, ...

b) 110, 220, 340, 470, ...

c) 1.6, 3.2, 4.8, 6.4, 8, ...