

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

## Arithmetic / Geometric Sequence

Sheet 1

Write whether the given sequence is arithmetic, geometric or neither.

1)  $-1, 4, -27, 16, -125, \dots$

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2)  $14.2, 16.2, 18.2, 20.2, 22.2, \dots$

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3)  $\frac{1}{11}, \frac{3}{22}, \frac{9}{44}, \frac{27}{88}, \frac{81}{176}, \dots$

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4)  $-3, -15, -75, -375, -1875, \dots$

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5)  $\sqrt{3}, 8 + \sqrt{3}, 16 + \sqrt{3}, 24 + \sqrt{3}, 32 + \sqrt{3}, \dots$

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6)  $8, 11, 9, 12, 10, \dots$

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7)  $0.7, 4.9, 34.3, 240.1, 1680.7, \dots$

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8)  $\frac{7}{24}, \frac{1}{24}, -\frac{5}{24}, -\frac{11}{24}, -\frac{17}{24}, \dots$

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9)  $5, 16, 28, 41, 55, \dots$

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10)  $-35, 70, -140, 280, -560, \dots$

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