

Name : _____

Arithmetic Sequence

Determine whether the sequences given below form arithmetic progressions. If they do, identify the common difference(d).

1) $1, -5, 25, -125, 625, \dots$

2) $-51, -31, -11, 9, 29, \dots$

3) $5, 4.6, 4.2, 3.8, \dots$

$250, \dots$

5) $-4, -12, -36, \dots$

$7\sqrt{7}, 9\sqrt{7}, \dots$

7) $12, 112, 212, 312, \dots$

\dots

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9) $-200, -350, -500, -650, -800, \dots$

10) $-0.8, -1.6, -2.4, -3.2, -4, \dots$