

Arithmetic, Geometric, or Neither?

If arithmetic, find the common difference.
If geometric, find the common ratio.

1, 3, 6, 10, 15, ...	40, 43, 46, 49, 52, ...	-4, 12, -36, 108, ...
4, 16, 36, 64, 100, ...	-29, -34, -39, -44, -49, ...	1, 5, 25, 125, 625, ...
1, 4, 9, 16, 25, ...	-34, -26, -18, -10, -2, ...	0, 3, 8, 15, 24, ...
0, 3, 6, 9, 12, ...	48, 24, 12, 6, 3, ...	6, 11, 16, 21, 26, ...
0, 1, 3, 6, 10, ...	1, 3, 9, 27, ...	30, 26, 22, 18, 14, ...
-4, 4, -4, 4, -4, 4, ...	-5, 10, -20, 40, ...	1, 2, 1, 2, 1, 2, ...
448, 224, 112, 56, ...	35, 28, 21, 14, ...	18, 9, 4.5, 2.25, ...

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4, 16, 36, 64, 100, ...	-29, -34, -39, -44, -49, ...	1, 5, 25, 125, 625, ...
1, 4, 9, 16, 25, ...	-34, -26, -18, -10, -2, ...	0, 3, 8, 15, 24, ...
0, 3, 6, 9, 12, ...	48, 24, 12, 6, 3, ...	6, 11, 16, 21, 26, ...
0, 1, 3, 6, 10, ...	1, 3, 9, 27, ...	30, 26, 22, 18, 14, ...
-4, 4, -4, 4, -4, 4, ...	-5, 10, -20, 40, ...	1, 2, 1, 2, 1, 2, ...
448, 224, 112, 56, ...	35, 28, 21, 14, ...	18, 9, 4.5, 2.25, ...