Name:

Date:

School:

Facilitator:

3.06 Sequences

Total Points: 28

**Determine if the sequence is arithmetic. If it is, find the common difference.**

1. 35, 32, 29, 26, …
2. −3, −23, −43, −63, ...
3. −34, −64, −94, −124, ...
4. −30, −45, −50, −65, ...

**Determine if the sequence is arithmetic. If it is, find the common difference. Is the sequence a function?**

1. 7, 9, 11, 13, ...
2. −7, −10, −11, −13, ...

**Determine if the sequence is geometric. If it is, find the common ratio.**

1. 1, −4, 16, −64, …
2. 4, 20, 100, 500, ...
3. 1, −1, 1, −1, ...
4. −30, −45, −50, −65, ...

**Determine if the sequence is geometric. If it is, find the common ratio. Is the sequence a function?**

1. 200, 40, 8, ...
2. −7, −14, 21, −28, ...