## MATH 4 Class

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IC SERIES

## TABLE-SELECTION GAME

Select one correct answer for each of the questions in the test and press the Finish button at the end. The answers will be validated automatically.

In each line of the table, mark the interval to which the common ratio of the given infinite geometric series belongs.

| 1. | $\sum_{n=1}^{\infty}\left(\frac{1}{3}\right)^{1-n}$ | $(-\infty ;-1)$ | $(-1 ; 1)$ | $(1 ; \infty)$ |
| :---: | :---: | :---: | :---: | :---: |
| $2$ | $\sum_{n=1}^{\infty}(-1)^{n} \cdot 3^{n-1}$ |  | $\square$ |  |
| 3. | $\sum_{n=1}^{\infty}\left(\frac{1}{3}\right)^{n-2}$ |  | $\square$ |  |
| 4. | $\sum_{n=1}^{\infty}(-1)^{n} \cdot\left(\frac{1}{3}\right)^{2-n}$ |  |  |  |
| 5. | $\sum_{n=1}^{\infty} 3^{4-n}$ |  | $\square$ | $\square$ |
| 6. | $\sum_{n=1}^{\infty} 3^{n+2}$ |  | $\square$ |  |
| 7. | $\sum_{n=1}^{\infty}\left(-\frac{2}{3}\right)^{n} \cdot 3^{n}$ | $\square$ | $\square$ | $\square$ |

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