



Warning: The interactivity in this PDF file is enabled by Javascript. For full functionality you have to use the Javascript capable PDF browser. Currently only Adobe Reader is available.

LIMITS

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.



For each given limit of a sequence decide whether its value is 0 , ∞ , $-\infty$, 1 , or -1 .

| | 0 | ∞ | $-\infty$ | 1 | -1 |
|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1. $\lim_{n \rightarrow \infty} \sin \pi n$ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. $\lim_{n \rightarrow \infty} \log n$ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. $\lim_{n \rightarrow \infty} \log \frac{1}{n}$ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. $\lim_{n \rightarrow \infty} \frac{\sqrt{n}}{4 + \sqrt{n}}$ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. $\lim_{n \rightarrow \infty} \frac{1 - 3^{2n}}{3^n}$ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. $\lim_{n \rightarrow \infty} \frac{\pi}{n^2}$ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. $\lim_{n \rightarrow \infty} \frac{n^2}{n - n^2}$ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. $\lim_{n \rightarrow \infty} 2^n$ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

