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RATIONAL SEQUENCES

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.

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Given the limits of sequences, decide for each limit whether its value is 0, ∞, $-\infty$ or a real number k, $k \neq 0$.

		0	∞	$-\infty$	k
1.	$\lim\limits_{n\to\infty} \dfrac{n^3+2n}{n^2-1}$	☐	☐	☐	☐
2.	$\lim\limits_{n\to\infty} \dfrac{n^2-5}{n^5+3n}$	☐	☐	☐	☐
3.	$\lim\limits_{n\to\infty} \dfrac{-2n^2+n}{n^2-1}$	☐	☐	☐	☐
4.	$\lim\limits_{n\to\infty} \dfrac{n^3-2n}{-n^2+1}$	☐	☐	☐	☐
5.	$\lim\limits_{n\to\infty} \dfrac{-5n^5-4n^4}{6n^6+3n^3}$	☐	☐	☐	☐
6.	$\lim\limits_{n\to\infty} \dfrac{n}{n+40}$	☐	☐	☐	☐
7.	$\lim\limits_{n\to\infty} \dfrac{-2n^2-n}{n+5}$	☐	☐	☐	☐
8.	$\lim\limits_{n\to\infty} \dfrac{n^3+n^2+n+1}{2n^2+2n+2}$	☐	☐	☐	☐