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ANALYZI[illegible] INTERVALS

TABLE–SELECTION GAME

Select one or more correct answers 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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Consider the function

$$f(x) = \frac{x^4 - 6x^2}{4}.$$

In the table, mark all of the true properties of f on the given intervals.

		increasing	decreasing	concave up	concave down	none of these
1.	$(0;1)$	☐	☐	☐	☐	☐
2.	$\left(-\frac{3}{2};0\right)$	☐	☐	☐	☐	☐
3.	$(1;3)$	☐	☐	☐	☐	☐
4.	$(-2;0)$	☐	☐	☐	☐	☐
5.	$\left(-\frac{1}{2};0\right)$	☐	☐	☐	☐	☐
6.	$\left(1;\frac{3}{2}\right)$	☐	☐	☐	☐	☐
7.	$\left(-1;\frac{1}{2}\right)$	☐	☐	☐	☐	☐