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| --- | --- |
| 1. Let http://place30.placementtester.com:8080/leicester/tmp/ad/hn/go/jndhhpiipmnokcnoigjhbggdmb.gifhttp://place30.placementtester.com:8080/leicester/tmp/ak/ln/hn/cckdmbibfigajbgmfpapegkmmi.gif . | |
| **(a)** | |  |  |  |  | | --- | --- | --- | --- | |  | Find all stationary points of the function http://place30.placementtester.com:8080/leicester/tmp/nc/ld/na/mocajgnpejioffnhclgmemhoci.gifamd enter their coordinates separated by ”;”, with at least 3 decimal places.  For example, ” http://place30.placementtester.com:8080/leicester/tmp/io/ie/jj/bkfihbaoalijacioajefadbfoe.gif” |  | http://place30.placementtester.com:8080/leicester/modules/skin/images/grading/correct.gif **Correct** |  |  |  | | --- | --- | | **Your Answer:** | (0.001,1.001);(0.001,-1.001) | | **Correct Answer:** | (0 ± 0.001,1 ± 0.001);(0 ± 0.001,-1 ± 0.001) | |
| **(b)** | |  |  |  |  | | --- | --- | --- | --- | |  | Let http://place30.placementtester.com:8080/leicester/tmp/ip/fg/bg/iblhohdejdbannfpfhfndgbbcg.gifbe the saddle point of the function http://place30.placementtester.com:8080/leicester/tmp/nc/ld/na/mocajgnpejioffnhclgmemhoci.gif. Calculate the following expression:  http://place30.placementtester.com:8080/leicester/tmp/pd/dj/ji/iddijgbiobcbhklakiajccmoik.gif, and enter the value with at least 3 dp. |  | http://place30.placementtester.com:8080/leicester/modules/skin/images/grading/correct.gif **Correct** |  |  |  | | --- | --- | | **Your Answer:** | 25.001 | | **Correct Answer:** | 25± 0.001 | |
| **(c)** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  | | --- | | What is(are) type of stationarity the other point(s)? Please select all correct answers |  |  |  |  |  | | --- | --- | --- | --- | | **Choice** | **Selected** | **http://place30.placementtester.com:8080/leicester/modules/skin/images/grading/correct_incorrect.gif** | **Points** | | saddle point | No |  |  | | minimum | No |  |  | | there are no others stationary points | No |  |  | | maximum | Yes | http://place30.placementtester.com:8080/leicester/modules/skin/images/grading/correct_small.gif | +1 | | http://place30.placementtester.com:8080/leicester/modules/skin/images/grading/correct.gif **Correct** | | Number of available correct choices: 1 |  | | 2**) Let**  a) Stationary points  b) Let be the saddle point of the function  c) What type of stationary points (Stationary, saddle, min, max) |  | |