Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1.) Find the equations of the tangent and normal line to the Cissoid of Diovles y2(2-x)=x3 at x=1.

****

2.)



3.)



4.)

5.) .

A. 3 B. 1 C. D. E.

6.)

A. –3 B. 0 C. D. E.

|  |  |
| --- | --- |
| **x** | ***f(x)*** |
| 2 | 7 |
| 4 | 18 |
| 6 | 22 |
| 8 | 25 |
| 10 | 21 |

(7) A table of f(x) is given at right. Find the best possible estimate of using this table.

 A. –3 B. –2 C. 1 D. 2 E. 3

8.)

A. 196830 B. 590490 C. –10 D. 30 E. 47

9.) Find if .

10.)

Find at





12.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **P, Q, C, or none** |  | **Ans.** |  |  | **Answers** |
| **1** |  |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |  |
| **5** |  |  |  |  |  |  |  |
| **6** |  |  |  |  |  |  |  |
| **7** |  |  |  |  |  |  |  |
| **8** |  |  |  |  |  |  |  |
| **9** |  |  |  |  |  |  |  |
| **10** |  |  |  |  |  |  |  |
| **11** |  |  |  |  |  |  |  |
| **12** |  |  |  |  |  |  |  |
| **13** |  |  |  |  |  |  |  |
| **14** |  |  |  |  |  |  |  |
| **15** |  |  |  |  |  |  |  |
| **16** |  |  |  |  |  |  |  |
| **17** |  |  |  |  |  |  |  |

Solutions

1. Tangent y=2x-1, normal y=
2. C
3. A
4. C
5. D
6. D
7. D
8. D

Matching

1. B
2. D