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| --- | --- | --- | --- | --- | --- |
|  |  | COURSE CODE/  COURSE NAME | | PBM1035 INTENSIVE MATHEMATICS | |
| COURSEWORK  ASSESSMENT | | END OF CHAPTER 2 | |
| SESSION | | DECEMBER 2018 | |
| **JABATAN MATEMATIK, SAINS DAN KOMPUTER** | | DURATION | 60 MINS | CLO1 |  |
| NAME |  | CLO2 | 20 MARKS |
| REGISTRATION NO. |  | CLO3 |  |
| PROGRAMME/ SECTION | IPP1 | TOTAL MARKS | | 20 MARKS | |

Instructions

* Answer ALL questions. Write your answers in the spaces provided.
* Show your working to get marks. You may use a non-programmable scientific calculator.

**Question 1**

|  |  |
| --- | --- |
| CLO1, C2 | [2 marks] |
| Given a function , identify and  **(1 mark)** | |

**(1 mark)**

**Question 2**

|  |  |
| --- | --- |
| CLO1, C2 | [5 marks] |
| 1. Complete the following table for the function of a straight line for range .  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  | 0 | 1 | 2 | |  |  |  |  | **3** | **9** | | |

**Note: Each correct answer will be given 1 mark.**

|  |  |
| --- | --- |
| CLO1, C3 | [4 marks] |
| 1. Plot the graph of straight line for range .     0 0.5 | |

**Note:**

**Correct x-intercept and y-intercept each will be given 1 mark.**

**Plot straight line within the range will be given 1 mark.**

**Complete labeling of x-axis and y-axis will be given 1 mark.**

**Question 3**

|  |  |
| --- | --- |
| CLO1, C2 | [3 marks] |
| Given the straight line AB with the equation of .   1. Identify the y-intercept and x-intercept.   **y-intercept: (1 mark)**  **x-intercept: 1.5 (2 marks with calculations)** | |
| CLO1, C3 | [4 marks] |

1. Given another equation . Draw the graph of both lines on the same graph paper.

**Graph paper is needed for this question.**

3

**Note:**

**2 marks for each correct line drawing.**

|  |  |
| --- | --- |
| CLO1, C3 | [2 marks] |

1. Graphically, identify the intersection point of these two lines.

**(1.5, 0)**