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|  KEMENTERIA PENDIDIKAN MALAYSIA  | | COURSE CODE/ COURSE NAME | | PBM1035 INTENSIVE MATHEMATICS | |
| | | COURSEWORK ASSESSMENT | | TUTORIAL 2 | |
| | | SESSION | | DECEMBER 2018 | |
| | | DURATION | 60 MINS | CLO1 | 10 MARKS |
| CLO2 | | | | | |
| CLO3 | | | | | |
| JABATAN MATEMATIK, SAINS DAN KOMPUTER | | TOTAL MARKS | | 10 MARKS | |
| NAME | | | | | |
| REGISTRATION NO. | | | | | |
| PROGRAMME/ SECTION | IPP1 | | | | |

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

[3 marks]

CLO1, C1

Write the interval notation for

- (a) $x \geq -5$
- (b) $-4 < x \leq 3$
- (c) $x < 1$

Question 2

[3 marks]

CLO1, C2

Represent the following interval notation on a number line.

$$x \leq 3 \text{ or } x > 6$$

Question 3

[4 marks]

CLO1, C3

- (a) Solve the inequality of $8x + 8 \geq -64$ and $-7 - 8x \geq -79$.
- (b) Represent the solution on the number line.
- (c) Write the solution with interval notation.