

 KEMENTERIAN PENDIDIKAN TINGGI POLITEKNIK MALAYSIA KUCHING SARAWAK JABATAN MATEMATIK, SAINS DAN KOMPUTER		COURSE CODE/ COURSE NAME		PBM1035 INTENSIVE MATHEMATICS	
		COURSEWORK ASSESSMENT		TUTORIAL 2	
		SESSION		DECEMBER 2017	
NAME		DURATION	60 MINS	CLO1	10 MARKS
REGISTRATION NO.				CLO2	
PROGRAMME/ SECTION	IPP1			CLO3	
		TOTAL MARKS			10 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-C3]

Solve the following inequalities.

(a) $7(k + 3) + 7 > 2k - 5$

(b) $7 \leq -6(t - 3)$

[CLO1, C2]

(c) $\frac{3(11-q)}{-10} < \frac{8(q+2)}{2}$

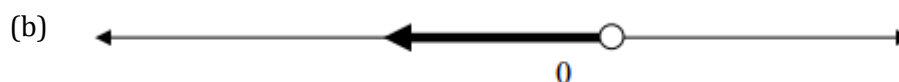
(d) $\frac{4a}{10} < \frac{7a-11}{-7}$

[CLO1, C3]

[4 marks]

Question 2 [CLO1, C1]

Identify the interval notation of the following number lines.



[2 marks]

Question 3 [CLO1, C2]

Illustrate the following inequalities on the number line.

(a) $x \geq 5$

(b) $-9 \leq x \leq 0$

(c) $-\infty < x \leq 5$

(d) $x > 3$

[4 marks]