

 <p>KEMENTERIAN PENDIDIKAN TINGGI</p> <p>POLITEKNIK MALAYSIA KUCHING SARAWAK</p> <p>JABATAN MATEMATIK, SAINS DAN KOMPUTER</p>		COURSE CODE/ COURSE NAME		PBM1035 INTENSIVE MATHEMATICS	
		COURSEWORK ASSESSMENT		TUTORIAL 1	
		SESSION		JUNE 2018	
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

Calculate the operations.

(i) $10 + 1100 \div 5 - 30$

(ii) $40 + 80 \div (4 \times 5)$

[CLO1, C2]

[2 marks]

(iii) $16[-5 + (-2)] \times (-2) - 4$

(iv) $6(-8 + 2) \times (3 + 2) \div 10$

[CLO1, C3]

[4 marks]

Question 2

Simplify the following expressions.

(i)

$$\frac{x^2 + 2xm + m^2}{(x + m)^2}$$

(ii)

$$\frac{b + 2}{b^2 + 9b + 20} \left(\frac{b + 5}{b^2 - 4} \right)$$

[CLO1, C2]

[4 marks]