		COURSE CODE/ COURSE NAME		PBM1035 INTENSIVE MATHEMATICS	
KEMENTERIAN PENDIDIKAN TINGGI	POLITEKNIK MALAYSIA KUCHING SARAWAK	COURSEWORK ASSESSMENT		TEST 1	
		SESSION		DECEMBER 2017	
JABATAN MATEMATIK, SAINS DAN KOMPUTER					
NAME		DURATION	60 MINS	CLO1	20 MARKS
				CLO2	
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, C1-C3]
    (a) Solve the following polynomials.

        (i) $(5b^2 + 3b - 2) - (-2b^2 - 4b)$

                                                         [CLO1, C1]

        (ii) $(-x^3 + 5y)2xy$

                                                           [CLO1, C2]

        (iii) $-x^3y^2z \div y^2z$

                                                           [CLO1, C3]
                                                          [6 marks]

[CLO1, C2]
    (b) Express the operations by using BODMAS's rule.
        (i) $32 \div (4 + 4)$
        (ii) $4 + 28 \div 7$

                                                               [4 marks]

Question 2
[CLO1, C2]
    (a) Make *x* as the subject in each case:
        (i) $2(x + a) = b$
        (ii) $\frac{1}{2}x - a = 4b$

                                                               [4 marks]

[CLO1, C1-C3]
    (b) Solve the following equations.
        (i) $-5 = 2 + d$

                                                           [CLO1, C1]

        (ii) $\frac{1}{5}r - 23 = 16$

                                                           [CLO1, C2]

        (iii) $x^2 - 16x + 4 = 0$ by using the Quadratic formula

                                                           [CLO1, C3]
                                                          [6 marks]