
 KEMENTERIA PENDIDIKAN MALAYSIA  POLITEKNIK MALAYSIA JABATAN MATEMATIK, SAINS DAN KOMPUTER		COURSE CODE/ COURSE NAME		PBM1035 INTENSIVE MATHEMATICS	
		COURSEWORK ASSESSMENT		END OF CHAPTER 1	
		SESSION		DECEMBER 2018	
		DURATION	60 MINS	CLO1	10 MARKS
CLO2					
CLO3					
NAME					
REGISTRATION NO.					
PROGRAMME/ SECTION	IPP1	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 [2 marks]

- (a) Make x the subject for the formula $y = mx + c$.

CLO1, C2 [2 marks]

- (b) Calculate the value of c if given $m = -5$, $x = -2$ and $y = 3$.

Question 2

CLO1, C2 [4 marks]

Identify the value of x and y by solving the simultaneous equations below using substitution method.

$$\begin{aligned} 2x - 3y &= 5 \\ 2x - 4y &= -2 \end{aligned}$$

Question 3

CLO1, C3 [2 marks]

If the present value of my investment is RM2500 and the rate of interest is 2% compounded annually, what will the value be after 15 years?