

 <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		END OF CHAPTER 2	
		SESSION		DECEMBER 2017	
NAME		DURATION	60 MINS	CLO1	
REGISTRATION NO.				CLO2	10 MARKS
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 [CLO2, C2]

Write an equation of the line that passes through the given point and is parallel to the given line.

$$(2, -1), y = -\frac{3}{5}x - 2$$

[3 marks]

Question 2 [CLO2, C2]

Write an equation of the line that passes through the given point and is perpendicular to the given line.

$$(-3, 2), y = 2x - 12$$

[3 marks]

Question 3 [CLO2, C2]

Graph the equations and find the intersection point of the lines. Label the linear lines and the intersection point correctly.

$$y = x + 4$$

$$y = 2x + 1$$

[4 marks]