
 <b>KEMENTERI/ PENDIDIKAN MALAYSIA</b>    <b>JABATAN MATEMATIK, SAINS DAN KOMPUTER</b>		COURSE CODE/ COURSE NAME		PBM1035 INTENSIVE MATHEMATICS	
		COURSEWORK ASSESSMENT		TEST 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

[4 marks]

Simplify the expressions below:

(a)  $-5g - (3g + 3)$

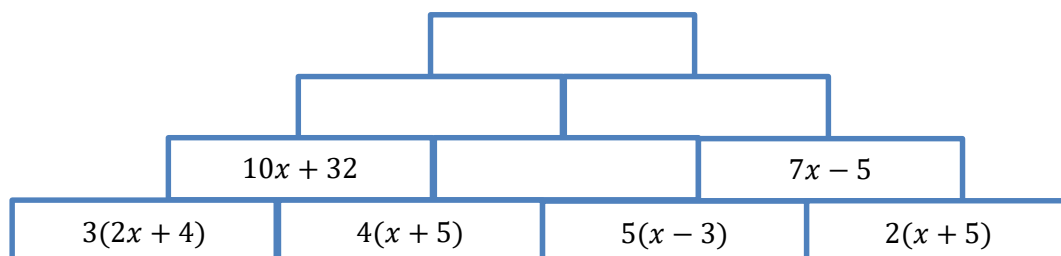
(b)  $2n(-10n + 5) - 7(6 - 10n)$

### Question 2

CLO1, C2

[4 marks]

Work out what each of the bricks at the bottom simplify to, then add the two bricks next to each other to give the brick above them.



### Question 3

CLO1, C2

[4 marks]

Identify the value of  $y$  for the following equation given  $x = 1$

$$3x - y = -(x - 2y) + 5$$

### Question 4

CLO1, C3

[3 marks]

You wish to receive an annuity of RM1000 a quarter for 5 years. The quarterly interest rate is 2.5%. What is the present value of the annuity?