MATH-3012-D HW 01

Vidit Dharmendra Pokharna

TOTAL POINTS

28 / 30

QUESTION 1

1 Q1 8 / 10

- + 10 pts Correct
- √ + 8 pts Correct but without explanation
 - + 7 pts Some mistake
 - + 4 pts partial credits
 - + 0 pts No work

QUESTION 2

2 Q2 10 / 10

- √ + 10 pts Correct
 - + 8 pts Correct without explanation
 - + 7 pts Some mistake
 - + 4 pts Partial credits
 - + 0 pts No work
 - + 0 pts Incorrect.

QUESTION 3

3 C 10 / 10

- 2 pts Missing questions.
- ✓ 0 pts Completed.
 - **1 pts** Missing a question.

	Homework 1 Q1
3.	(a) $4 \times 12 \times 3 \times 2 = 288$
	$(b) 4 \times 3 \times 2 = 24$
6.	(a) 30p8 = 30!/22!
	(b) 3! x 28p6 = 6.28!/22!
8.	(a) 12!
	(b) 4! x8! -
	(c) 4! x5! x3! =
10.	15! x(14) = 14 x 15!
	putting 13 books into two groups
11.	(a) 1+1+4×3=14
	(b) 14×14 = 196
	(e) 196-14=182
19.	(a) 7! = 5040
	(b) 4! x3! = 144
	(c) 5! x3! = 720
	(d) 2!x4!x3! = 288

1 Q1 8 / 10

- + 10 pts Correct
- √ + 8 pts Correct but without explanation
 - + 7 pts Some mistake
 - + 4 pts partial credits
 - + 0 pts No work

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	Homework 1 Q2
21.	(a) 12!/(31·21·2!)
	(b)(2!·11!)/(3!·2!·2!) = 11!/(3[·2!·2!)
	(c) 6!/(3!-2!) x 7!/(2!.2!) = (61.7!)/(3!.2!.2!.7!)
22.	:6!/2! + 2 × 6!(2! x2!) = 6! = 720
27.	(a) $10!/(2!x7!) = 360$
	(b) $10!/(2! \times 7!) = 360$
	(c) Both results are the same as they both have individual variable
	changes that have the same values - 7,2,1-providing a result of 360.
29	(a) 12×6×8 = 576
	(b) The rule of product / the product rule
30	(a) 263 = 17576; same for 6 letters
	(b) 26x25x24 = 15600; same for 6 letters

2 Q2 10 / 10

- **√ + 10 pts** *Correct*
 - + 8 pts Correct without explanation
 - + 7 pts Some mistake
 - + 4 pts Partial credits
 - + 0 pts No work
 - + 0 pts Incorrect.

3 **C 10 / 10**

- **2 pts** Missing questions.
- **✓ 0 pts** Completed.
 - 1 pts Missing a question.