Quiz 2

Deadline	Wednesday, 25 September 2019 at 4:00PM
Latest Submission	Tuesday, 24 September 2019 at 7:14PM
Raw Mark	5.00/5.00 (100.00%)
Late Penalty	N/A
Final Mark	5.00/5.00 (100.00%)

Question 1 (1 mark)

Let B = $\{b, a, g, g, a, g, e\}$ and C = $\{c, a, b, b, a, g, e\}$

How many elements are there in B∩C?

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✓ Your response was correct.

Mark: 1.00

Question 2 (1 mark)

Which of the the following sets have 6 elements? Select all that apply (intervals are over ℕ)

(a) 🗆	[0,1] × (1,6)
(b)	(0,1) × [1,6]
(c) ✓	$(0,2] \times [1,4)$
(d) 🗹	[0,2] × (1,4)
(e)	None of the others

✓ Your response was correct.

Mark: max(0.50 + 0.50, 0) = 1.00

Question 3 (1 mark)

What is $|\{n : n \in \mathbb{N} \text{ and } n \mid 12\}|$?

(a) •	6

(b) O	7
(c) O	12
(d) O	13
(e) O	Infinite

✓ Your response was correct.

Mark: 1.00

Question 4 (1 mark)

Let $\Sigma = \{a,b,c,d,e,f,g\}$ and consider $w,v \in \Sigma^*$ given by w = cabbage, v = baggage

What is length(wv)?

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✓ Your response was correct.

Mark: 1.00

Question 5 (1 mark)

Let $\Sigma = \{c,u,p\}$ and $\Psi = \{m,o,p\}$

Which of the following words are in $\Sigma^* \setminus \Psi^*$? Select all that apply.

(a) 🗆	λ
(b) ✓	cup
(c)	тор
(d) 🗹	ccc
(e)	mmm

✓ Your response was correct.

Mark: max(0.50 + 0.50, 0) = 1.00