

The name of the exam 22nd July 2014	Prof.	Student's signature
Last Name:	First Name:	Student's ID:

## INSTRUCTIONS

- Write here your instructions
- two
- three

## Part One

1. (1 point) exercise 4d  $a = 3, b = 2, c = 5$

- (a) answer 4 wrong
- (b) answer 2 wrong
- (c) answer 1 correct
- (d) answer 3 wrong
- (e) answer 5 wrong

2. (1 point) exercise 1a  $a = 2$

- (a) answer 3 wrong
- (b) answer 2 wrong
- (c) answer 1 correct

3. (1 point) exercise 14a  $a = 2, b = 2, c = 3$

- (a) answer 1 correct
- (b) answer 4 wrong
- (c) answer 5 wrong
- (d) answer 2 wrong
- (e) answer 3 wrong

4. (2 points) exercise 9d  $a = 4, b = 3, c = 2$

- (a) answer 2 wrong
- (b) answer 1 correct
- (c) answer 5 wrong
- (d) answer 3 wrong
- (e) answer 4 wrong

8 points

### Some other questions

1. (1 point) exercise 12a  $a = 3, b = 3, c = 4$

- (a) answer 1 correct
- (b) answer 2 wrong
- (c) answer 3 wrong
- (d) answer 4 wrong
- (e) answer 5 wrong

2. (2 points) exercise 13b  $a = 5, b = 3, c = 6$

- (a) answer 3 wrong
- (b) answer 4 wrong
- (c) answer 2 wrong
- (d) answer 5 wrong
- (e) answer 1 correct

## Part two

Some other instructions.
--------------------------

EXERCISE 1. Let  $A = \{a, b, c\}$  and  $B = \{a, c, x\}$ .

4 points

(a) (2 points) List (without repetition) the elements of the set  $A \cup B$   
 $A \cup B =$

(b) (2 points) List (without repetition) the elements of the set  $A \cap B$   
 $A \cap B =$

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## Part One

1. (1 point) exercise 1b  $a = 3$

- (a) answer 2 wrong
- (b) answer 3 wrong
- (c) answer 1 correct

2. (1 point) exercise 4b  $a = 5, b = 2, c = 2$

- (a) answer 3 wrong
- (b) answer 1 correct
- (c) answer 4 wrong
- (d) answer 5 wrong
- (e) answer 2 wrong

3. (2 points) exercise 9b  $a = 3, b = 5, c = 6$

- (a) answer 1 correct
- (b) answer 3 wrong
- (c) answer 2 wrong
- (d) answer 5 wrong
- (e) answer 4 wrong

4. (1 point) exercise 14e  $a = 4, b = 2, c = 8$

- (a) answer 3 wrong
- (b) answer 1 correct
- (c) answer 4 wrong
- (d) answer 2 wrong
- (e) answer 5 wrong

8 points
----------

### Some other questions

1. (2 points) exercise 13c  $a = 4, b = 5, c = 4$

- (a) answer 2 wrong
- (b) answer 3 wrong
- (c) answer 4 wrong
- (d) answer 1 correct
- (e) answer 5 wrong

2. (1 point) exercise 12b  $a = 4, b = 2, c = 7$

- (a) answer 2 wrong
- (b) answer 1 correct
- (c) answer 3 wrong
- (d) answer 5 wrong
- (e) answer 4 wrong

## Part two

Some other instructions.
--------------------------

EXERCISE 1. Let  $A = \{b, c, x\}$  and  $B = \{b, x, y\}$ .

4 points
----------

(a) (2 points) List (without repetition) the elements of the set  $A \cup B$   
 $A \cup B =$

(b) (2 points) List (without repetition) the elements of the set  $A \cap B$   
 $A \cap B =$

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## Part One

1. (1 point) exercise 14a  $a = 2, b = 2, c = 2$

- (a) answer 4 wrong
- (b) answer 1 correct
- (c) answer 3 wrong
- (d) answer 5 wrong
- (e) answer 2 wrong

4. (1 point) exercise 4c  $a = 4, b = 4, c = 5$

- (a) answer 3 wrong
- (b) answer 2 wrong
- (c) answer 1 correct
- (d) answer 4 wrong
- (e) answer 5 wrong

8 points
----------

2. (2 points) exercise 9c  $a = 2, b = 5, c = 6$

- (a) answer 1 correct
- (b) answer 5 wrong
- (c) answer 3 wrong
- (d) answer 2 wrong
- (e) answer 4 wrong

Some other questions

1. (1 point) exercise 12a  $a = 2, b = 4, c = 2$

- (a) answer 3 wrong
- (b) answer 4 wrong
- (c) answer 5 wrong
- (d) answer 1 correct
- (e) answer 2 wrong

3. (1 point) exercise 1a  $a = 4$

- (a) answer 1 correct
- (b) answer 2 wrong
- (c) answer 3 wrong

2. (2 points) exercise 13c  $a = 5, b = 4, c = 5$

- (a) answer 1 correct
- (b) answer 4 wrong
- (c) answer 5 wrong
- (d) answer 2 wrong
- (e) answer 3 wrong

## Part two

Some other instructions.
--------------------------

EXERCISE 1. Let  $A = \{c, x, y\}$  and  $B = \{c, y, z\}$ .

4 points
----------

(a) (2 points) List (without repetition) the elements of the set  $A \cup B$   
 $A \cup B =$

(b) (2 points) List (without repetition) the elements of the set  $A \cap B$   
 $A \cap B =$

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## Part One

1. (1 point) exercise 4a  $a = 5, b = 3, c = 3$

- (a) answer 4 wrong
- (b) answer 3 wrong
- (c) answer 5 wrong
- (d) answer 1 correct
- (e) answer 2 wrong

2. (1 point) exercise 14d  $a = 2, b = 5, c = 5$

- (a) answer 4 wrong
- (b) answer 1 correct
- (c) answer 5 wrong
- (d) answer 2 wrong
- (e) answer 3 wrong

3. (1 point) exercise 1b  $a = 2$

- (a) answer 1 correct
- (b) answer 3 wrong
- (c) answer 2 wrong

4. (2 points) exercise 9c  $a = 2, b = 3, c = 8$

- (a) answer 4 wrong
- (b) answer 3 wrong
- (c) answer 5 wrong
- (d) answer 1 correct
- (e) answer 2 wrong

8 points

Some other questions

1. (2 points) exercise 13b  $a = 3, b = 3, c = 2$

- (a) answer 4 wrong
- (b) answer 3 wrong
- (c) answer 5 wrong
- (d) answer 2 wrong
- (e) answer 1 correct

2. (1 point) exercise 12c  $a = 4, b = 4, c = 6$

- (a) answer 5 wrong
- (b) answer 2 wrong
- (c) answer 3 wrong
- (d) answer 1 correct
- (e) answer 4 wrong

## Part two

Some other instructions.
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EXERCISE 1. Let  $A = \{a, b, c\}$  and  $B = \{a, c, x\}$ .

4 points

(a) (2 points) List (without repetition) the elements of the set  $A \cup B$   
 $A \cup B =$

(b) (2 points) List (without repetition) the elements of the set  $A \cap B$   
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## Part One

1. (1 point) exercise 1a  $a = 4$

- (a) answer 2 wrong
- (b) answer 3 wrong
- (c) answer 1 correct

2. (2 points) exercise 9b  $a = 2, b = 5, c = 8$

- (a) answer 4 wrong
- (b) answer 5 wrong
- (c) answer 2 wrong
- (d) answer 1 correct
- (e) answer 3 wrong

3. (1 point) exercise 4c  $a = 5, b = 2, c = 5$

- (a) answer 2 wrong
- (b) answer 5 wrong
- (c) answer 3 wrong
- (d) answer 4 wrong
- (e) answer 1 correct

4. (1 point) exercise 14b  $a = 3, b = 5, c = 5$

- (a) answer 4 wrong
- (b) answer 3 wrong
- (c) answer 1 correct
- (d) answer 2 wrong
- (e) answer 5 wrong

8 points

### Some other questions

1. (1 point) exercise 12a  $a = 3, b = 3, c = 4$

- (a) answer 4 wrong
- (b) answer 5 wrong
- (c) answer 1 correct
- (d) answer 3 wrong
- (e) answer 2 wrong

2. (2 points) exercise 13a  $a = 3, b = 3, c = 5$

- (a) answer 4 wrong
- (b) answer 5 wrong
- (c) answer 3 wrong
- (d) answer 2 wrong
- (e) answer 1 correct

## Part two

Some other instructions.
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EXERCISE 1. Let  $A = \{a, b, c\}$  and  $B = \{a, c, x\}$ .

4 points

(a) (2 points) List (without repetition) the elements of the set  $A \cup B$   
 $A \cup B =$

(b) (2 points) List (without repetition) the elements of the set  $A \cap B$   
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## Part One

1. (1 point) exercise 1b  $a = 4$

- (a) answer 2 wrong
- (b) answer 1 correct
- (c) answer 3 wrong

2. (1 point) exercise 14c  $a = 3, b = 5, c = 3$

- (a) answer 1 correct
- (b) answer 3 wrong
- (c) answer 2 wrong
- (d) answer 4 wrong
- (e) answer 5 wrong

3. (2 points) exercise 9a  $a = 5, b = 3, c = 7$

- (a) answer 2 wrong
- (b) answer 4 wrong
- (c) answer 3 wrong
- (d) answer 1 correct
- (e) answer 5 wrong

4. (1 point) exercise 4e  $a = 2, b = 2, c = 8$

- (a) answer 5 wrong
- (b) answer 4 wrong
- (c) answer 3 wrong
- (d) answer 1 correct
- (e) answer 2 wrong

8 points

### Some other questions

1. (2 points) exercise 13d  $a = 3, b = 3, c = 5$

- (a) answer 5 wrong
- (b) answer 1 correct
- (c) answer 3 wrong
- (d) answer 4 wrong
- (e) answer 2 wrong

2. (1 point) exercise 12c  $a = 4, b = 2, c = 6$

- (a) answer 3 wrong
- (b) answer 2 wrong
- (c) answer 4 wrong
- (d) answer 5 wrong
- (e) answer 1 correct

## Part two

Some other instructions.
--------------------------

EXERCISE 1. Let  $A = \{a, x, y\}$  and  $B = \{a, y, z\}$ .

4 points

(a) (2 points) List (without repetition) the elements of the set  $A \cup B$   
 $A \cup B =$

(b) (2 points) List (without repetition) the elements of the set  $A \cap B$   
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## Part One

1. (2 points) exercise 9d  $a = 5, b = 3, c = 6$

- (a) answer 4 wrong
- (b) answer 5 wrong
- (c) answer 2 wrong
- (d) answer 1 correct
- (e) answer 3 wrong

2. (1 point) exercise 4d  $a = 2, b = 4, c = 3$

- (a) answer 4 wrong
- (b) answer 3 wrong
- (c) answer 5 wrong
- (d) answer 1 correct
- (e) answer 2 wrong

3. (1 point) exercise 1a  $a = 3$

- (a) answer 3 wrong
- (b) answer 2 wrong
- (c) answer 1 correct

4. (1 point) exercise 14a  $a = 5, b = 5, c = 7$

- (a) answer 5 wrong
- (b) answer 1 correct
- (c) answer 3 wrong
- (d) answer 2 wrong
- (e) answer 4 wrong

8 points
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### Some other questions

1. (1 point) exercise 12b  $a = 2, b = 4, c = 3$

- (a) answer 1 correct
- (b) answer 3 wrong
- (c) answer 5 wrong
- (d) answer 4 wrong
- (e) answer 2 wrong

2. (2 points) exercise 13b  $a = 5, b = 4, c = 3$

- (a) answer 2 wrong
- (b) answer 5 wrong
- (c) answer 1 correct
- (d) answer 3 wrong
- (e) answer 4 wrong

## Part two

Some other instructions.
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EXERCISE 1. Let  $A = \{a, b, c\}$  and  $B = \{a, c, z\}$ .

4 points
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(a) (2 points) List (without repetition) the elements of the set  $A \cup B$   
 $A \cup B =$

(b) (2 points) List (without repetition) the elements of the set  $A \cap B$   
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## Part One

1. (1 point) exercise 1b  $a = 4$

- (a) answer 2 wrong
- (b) answer 1 correct
- (c) answer 3 wrong

2. (2 points) exercise 9b  $a = 3, b = 3, c = 2$

- (a) answer 5 wrong
- (b) answer 3 wrong
- (c) answer 2 wrong
- (d) answer 4 wrong
- (e) answer 1 correct

3. (1 point) exercise 14c  $a = 3, b = 3, c = 5$

- (a) answer 2 wrong
- (b) answer 1 correct
- (c) answer 5 wrong
- (d) answer 3 wrong
- (e) answer 4 wrong

4. (1 point) exercise 4b  $a = 4, b = 5, c = 7$

- (a) answer 1 correct
- (b) answer 2 wrong
- (c) answer 3 wrong
- (d) answer 4 wrong
- (e) answer 5 wrong

8 points

### Some other questions

1. (2 points) exercise 13c  $a = 3, b = 2, c = 6$

- (a) answer 2 wrong
- (b) answer 4 wrong
- (c) answer 5 wrong
- (d) answer 3 wrong
- (e) answer 1 correct

2. (1 point) exercise 12c  $a = 4, b = 4, c = 5$

- (a) answer 1 correct
- (b) answer 3 wrong
- (c) answer 5 wrong
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## Part two

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EXERCISE 1. Let  $A = \{a, b, x\}$  and  $B = \{a, x, z\}$ .

4 points

(a) (2 points) List (without repetition) the elements of the set  $A \cup B$   
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## Part One

1. (1 point) exercise 14e  $a = 4, b = 4, c = 4$

- (a) answer 4 wrong
- (b) answer 3 wrong
- (c) answer 1 correct
- (d) answer 2 wrong
- (e) answer 5 wrong

2. (1 point) exercise 4c  $a = 2, b = 3, c = 3$

- (a) answer 1 correct
- (b) answer 5 wrong
- (c) answer 4 wrong
- (d) answer 2 wrong
- (e) answer 3 wrong

3. (1 point) exercise 1a  $a = 5$

- (a) answer 1 correct
- (b) answer 3 wrong
- (c) answer 2 wrong

4. (2 points) exercise 9c  $a = 5, b = 4, c = 2$

- (a) answer 2 wrong
- (b) answer 3 wrong
- (c) answer 4 wrong
- (d) answer 1 correct
- (e) answer 5 wrong

8 points
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### Some other questions

1. (1 point) exercise 12a  $a = 4, b = 4, c = 6$

- (a) answer 2 wrong
- (b) answer 4 wrong
- (c) answer 1 correct
- (d) answer 5 wrong
- (e) answer 3 wrong

2. (2 points) exercise 13d  $a = 5, b = 2, c = 6$

- (a) answer 5 wrong
- (b) answer 4 wrong
- (c) answer 1 correct
- (d) answer 3 wrong
- (e) answer 2 wrong

## Part two

Some other instructions.
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EXERCISE 1. Let  $A = \{b, c, x\}$  and  $B = \{b, x, z\}$ .

4 points
----------

(a) (2 points) List (without repetition) the elements of the set  $A \cup B$   
 $A \cup B =$

(b) (2 points) List (without repetition) the elements of the set  $A \cap B$   
 $A \cap B =$

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## Part One

1. (2 points) exercise 9d  $a = 5, b = 5, c = 8$

- (a) answer 4 wrong
- (b) answer 5 wrong
- (c) answer 2 wrong
- (d) answer 3 wrong
- (e) answer 1 correct

2. (1 point) exercise 14d  $a = 5, b = 2, c = 2$

- (a) answer 4 wrong
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- (a) answer 2 wrong
- (b) answer 3 wrong
- (c) answer 5 wrong
- (d) answer 1 correct
- (e) answer 4 wrong

4. (1 point) exercise 1b  $a = 4$

- (a) answer 1 correct
- (b) answer 2 wrong
- (c) answer 3 wrong

8 points
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Some other questions

1. (2 points) exercise 13a  $a = 4, b = 5, c = 3$

- (a) answer 3 wrong
- (b) answer 5 wrong
- (c) answer 2 wrong
- (d) answer 4 wrong
- (e) answer 1 correct

2. (1 point) exercise 12b  $a = 5, b = 2, c = 2$

- (a) answer 4 wrong
- (b) answer 2 wrong
- (c) answer 5 wrong
- (d) answer 1 correct
- (e) answer 3 wrong

## Part two

Some other instructions.
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EXERCISE 1. Let  $A = \{a, b, x\}$  and  $B = \{a, x, z\}$ .

4 points
----------

(a) (2 points) List (without repetition) the elements of the set  $A \cup B$   
 $A \cup B =$

(b) (2 points) List (without repetition) the elements of the set  $A \cap B$   
 $A \cap B =$