

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
- (d) answer 4 wrong
- (e) answer 5 wrong

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

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

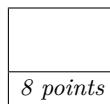
2. (2 points) exercise 13b $a = 5, b = 3, c = 6$

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

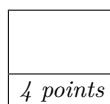
Part two

Some other instructions.

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



8 points



4 points

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

Solution:

$$A \cup B = \{a, b, c, x\}$$

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

Solution:

$$A \cap B = \{a, c\}$$

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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 $A \cup B$

Solution:

$$A \cup B = \{b, c, x, y\}$$

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

Solution:

$$A \cap B = \{b, x\}$$

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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

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

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

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

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

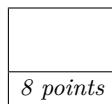
2. (2 points) exercise 13c $a = 5, b = 4, c = 5$

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

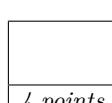
Part two

Some other instructions.

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



8 points



4 points

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

Solution:

$$A \cup B = \{c, x, y, z\}$$

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

Solution:

$$A \cap B = \{c, y\}$$

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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

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.

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

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8 points

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4 points

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

Solution:

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

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$$A \cap B = \{a, c\}$$

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► (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
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► (c) answer 1 correct

- (d) answer 2 wrong
- (e) answer 5 wrong

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

8 points

Part two

Some other instructions.

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

4 points

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- (a) answer 2 wrong
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4. (1 point) exercise 4e $a = 2, b = 2, c = 8$
- (a) answer 5 wrong
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Some other questions

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

Part two

Some other instructions.

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

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

Solution:

$$A \cup B = \{a, x, y, z\}$$

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

Solution:

$$A \cap B = \{a, y\}$$

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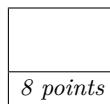
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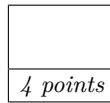
Part two

Some other instructions.

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



8 points



4 points

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

Solution:

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

Solution:

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Some other questions

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 - (e) answer 2 wrong

Part two

Some other instructions.

4 points

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

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

Solution:

$$A \cup B = \{a, b, x, z\}$$

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

Solution:

$$A \cap B = \{a, x\}$$

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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
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- (e) answer 5 wrong

Some other questions

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

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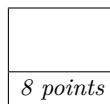
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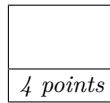
Part two

Some other instructions.

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



8 points



4 points

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

Solution:

$$A \cup B = \{b, c, x, z\}$$

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

Solution:

$$A \cap B = \{b, x\}$$

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

- (a) answer 4 wrong
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- (d) answer 3 wrong
- (e) answer 1 correct

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- (d) answer 1 correct
- (e) answer 4 wrong

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

- (a) answer 3 wrong
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- (c) answer 2 wrong
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- (a) answer 4 wrong
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8 points

Part two

Some other instructions.

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

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

Solution:

$$A \cup B = \{a, b, x, z\}$$

4 points

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

Solution:

$$A \cap B = \{a, x\}$$

Solution Version n. 1

- 1. c
- 2. c
- 3. a
- 4. b

Solution Version n. 2

- 1. c
- 2. b
- 3. a
- 4. b

Solution Version n. 3

- 1. b
- 2. a
- 3. a
- 4. c

- 1. a
- 2. e

- 1. d
- 2. b

- 1. d
- 2. a

Solution Version n. 4

- 1. d
- 2. b
- 3. a
- 4. d

Solution Version n. 5

- 1. c
- 2. d
- 3. e
- 4. c

Solution Version n. 6

- 1. b
- 2. a
- 3. d
- 4. d

- 1. e
- 2. d

- 1. c
- 2. e

- 1. b
- 2. e

Solution Version n. 7

- 1. d
- 2. d
- 3. c
- 4. b

Solution Version n. 8

- 1. b
- 2. e
- 3. b
- 4. a

Solution Version n. 9

- 1. c
- 2. a
- 3. a
- 4. d

- 1. a
- 2. c

- 1. e
- 2. a

- 1. c
- 2. c

Solution Version n. 10

- 1. e
- 2. d
- 3. d
- 4. a

- 1. e
- 2. d