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

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 \(B = \{a, c, x\}\).
(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:

\[ A \cap B = \{a, c\} \]
INSTRUCTIONS

- Write here your instructions
- two
- three

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

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 $B = \{b, x, y\}$.
(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:

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

- Write here your instructions
- two
- three

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 $B = \{c, y, z\}$. 
(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:
\[ A \cap B = \{c, y\} \]
INSTRUCTIONS

- Write here your instructions
- two
- three

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 $B = \{a, c, x\}$.
(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:

\[ A \cap B = \{a, c\} \]
INSTRUCTIONS

- Write here your instructions
- two
- three

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

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.

Exercise 1. Let \(A = \{a, b, c\} \) and \(B = \{a, c, x\} \).

Version n. 5 – Solutions – Page 1
(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:
\[ A \cap B = \{a, c\} \]
INSTRUCTIONS

- Write here your instructions
- two
- three

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

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 $B = \{a, y, z\}$.
(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:

$$A \cap B = \{a, y\}$$
The name of the exam
22nd July 2014

Student's signature

Last Name:                           First Name:                          Student’s ID:

INSTRUCTIONS

- Write here your instructions
- two
- three

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

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.

Exercise 1. Let \(A = \{a, b, c\}\) and \(B = \{a, c, z\}\).
(a) (2 points) List (without repetition) the elements of the set $A \cup B$
Solution:
$$A \cup B = \{a, b, c, z\}$$

(b) (2 points) List (without repetition) the elements of the set $A \cap B$
Solution:
$$A \cap B = \{a, c\}$$
INSTRUCTIONS
- Write here your instructions
- two
- three

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

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
   (d) answer 4 wrong
   (e) answer 2 wrong

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:

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

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

Solution:

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

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.

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

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

- Write here your instructions
- two
- three

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

3. (1 point) exercise 4d \(a = 4, b = 2, c = 6\)
   - (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

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.

### 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:

$$A \cap B = \{a, x\}$$
<table>
<thead>
<tr>
<th>Solution Version n. 1</th>
<th>Solution Version n. 2</th>
<th>Solution Version n. 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. c</td>
<td>1. c</td>
<td>1. b</td>
</tr>
<tr>
<td>2. c</td>
<td>2. b</td>
<td>2. a</td>
</tr>
<tr>
<td>3. a</td>
<td>3. a</td>
<td>3. a</td>
</tr>
<tr>
<td>4. b</td>
<td>4. b</td>
<td>4. c</td>
</tr>
<tr>
<td>1. a</td>
<td>1. d</td>
<td>1. d</td>
</tr>
<tr>
<td>2. e</td>
<td>2. b</td>
<td>2. a</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Solution Version n. 4</th>
<th>Solution Version n. 5</th>
<th>Solution Version n. 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. d</td>
<td>1. c</td>
<td>1. b</td>
</tr>
<tr>
<td>2. b</td>
<td>2. d</td>
<td>2. a</td>
</tr>
<tr>
<td>3. a</td>
<td>3. e</td>
<td>3. d</td>
</tr>
<tr>
<td>4. d</td>
<td>4. c</td>
<td>4. d</td>
</tr>
<tr>
<td>1. e</td>
<td>1. c</td>
<td>1. b</td>
</tr>
<tr>
<td>2. d</td>
<td>2. e</td>
<td>2. e</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Solution Version n. 7</th>
<th>Solution Version n. 8</th>
<th>Solution Version n. 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. d</td>
<td>1. b</td>
<td>1. c</td>
</tr>
<tr>
<td>2. d</td>
<td>2. e</td>
<td>2. a</td>
</tr>
<tr>
<td>3. c</td>
<td>3. b</td>
<td>3. a</td>
</tr>
<tr>
<td>4. b</td>
<td>4. a</td>
<td>4. d</td>
</tr>
<tr>
<td>1. a</td>
<td>1. e</td>
<td>1. c</td>
</tr>
<tr>
<td>2. c</td>
<td>2. a</td>
<td>2. c</td>
</tr>
</tbody>
</table>
1. e
2. d
3. d
4. a

1. e
2. d