

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 2c $a = 2, b = 4, c = 2$

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

2. (1 point) exercise 2a $a = 3, b = 4, c = 7$

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

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

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

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

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

Solution: answer 2

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

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

Solution: answer 1

6. (1 point) exercise 4e $a = 2, b = 2, c = 8$

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

8 points

7. (1 point) exercise 14a $a = 2, b = 4, c = 2$

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

Solution: This is the solution $a = 2, b = 4, c = 2$

8. (2 points) exercise 9d $a = 3, b = 5, c = 5$

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

9. (1 point) exercise 1a $a = 4$

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

10. (1 point) $a = 15, b = 15, c = 4, k = 4$

Evaluate with two exact decimals

$$15 : 4 = \boxed{3.75}$$

11. (1 point) exercise 11a

$$\{a, b, y\}$$

(a) answer 3 wrong

(b) answer 2 wrong

- ▶ (c) answer 1 correct

12. (1 point) exercise 11b

$$\{a, c, x\}$$

(a) answer 2 wrong

(b) answer 3 wrong

- ▶ (c) answer 1 correct

Some other questions

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

(a) answer 2 wrong

(b) answer 3 wrong

- ▶ (c) answer 1 correct

(d) answer 4 wrong

(e) answer 5 wrong

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

- ▶ (a) answer 1 correct

(b) answer 3 wrong

(c) answer 5 wrong

(d) answer 2 wrong

(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:

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

4 points

(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. (2 points) exercise 3d $a = 3, b = 4, c = 7$

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

Solution: answer 4

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

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

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

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

Solution: answer 1

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

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

5. (1 point) exercise 2b $a = 2, b = 2, c = 8$

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

6. (1 point) exercise 1b $a = 2$

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

7. (1 point) exercise 14e $a = 3, b = 5, c = 4$

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

Solution: This is the solution $a = 3, b = 5, c = 4$

8 points

8. (1 point) exercise 4a $a = 5, b = 5, c = 6$

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

9. (1 point) $a = 15, b = 15, c = 4, k = 4$

Evaluate with two exact decimals

$$15 : 4 =$$

3.75

10. (2 points) exercise 9b $a = 5, b = 5, c = 8$

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

11. (1 point) exercise 11a

$\{a, c, x\}$

- (a) answer 3 wrong
- ▶ (b) answer 1 correct

(c) answer 2 wrong

12. (1 point) exercise 11b

$\{b, c, x\}$

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

Some other questions

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

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

2. (1 point) exercise 12b $a = 2, b = 4, c = 8$

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

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

4 points

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Part One

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

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

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

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

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

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

Solution: answer 3

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

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

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

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

Solution: answer 2

6. (1 point) exercise 14a $a = 3, b = 5, c = 5$

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

Solution: This is the solution $a = 3, b = 5, c = 5$

7. (1 point) $a = 12, b = 13, c = 2, k = 4$

Evaluate with two exact decimals

$$13 : 4 = \boxed{3.25}$$

8 points

8. (1 point) exercise 1a $a = 5$

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

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

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

10. (1 point) exercise 4d $a = 3, b = 4, c = 6$

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

11. (1 point) exercise 11a

$\{c, x, z\}$

- (a) answer 3 wrong
- ▶ (b) answer 1 correct

(c) answer 2 wrong

12. (1 point) exercise 11b

$\{a, b, x\}$

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

Some other questions

1. (1 point) exercise 12a $a = 2, b = 4, c = 8$

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

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

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

Part two

Some other instructions.

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

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

Solution:

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

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

Solution:

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

4 points

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Part One

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

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

Solution: answer 4

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

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

3. (1 point) exercise 2c $a = 2, b = 2, c = 8$

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

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

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

Solution: answer 2

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

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

6. (1 point) $a = 12, b = 13, c = 2, k = 4$

Evaluate with two exact decimals

$$12 : 2 =$$

6

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

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

8 points

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

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

9. (1 point) exercise 14d $a = 3, b = 4, c = 6$

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

Solution: This is the solution $a = 3, b = 4, c = 6$

10. (1 point) exercise 4b $a = 5, b = 3, c = 8$

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

11. (1 point) exercise 11b

$\{a, c, y\}$

- (a) answer 2 wrong

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- ▶ (c) answer 1 correct

12. (1 point) exercise 11a

$\{b, c, x\}$

(a) answer 2 wrong

- ▶ (b) answer 1 correct

(c) answer 3 wrong

Some other questions

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

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

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

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

Part two

Some other instructions.

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

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

Solution:

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

4 points

(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 2a $a = 2, b = 4, c = 4$

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

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

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

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

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

Solution: answer 3

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

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

Solution: answer 4

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

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

6. (2 points) exercise 9b $a = 4, b = 5, c = 7$

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

7. (1 point) exercise 4c $a = 3, b = 3, c = 5$

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

8 points

8. (1 point) exercise 1a $a = 5$

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

9. (1 point) $a = 12, b = 15, c = 3, k = 4$
Evaluate with two exact decimals

$$15 : 4 = \boxed{3.75}$$

10. (1 point) exercise 14b $a = 4, b = 3, c = 2$

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

Solution: This is the solution $a = 4, b = 3, c = 2$

11. (1 point) exercise 11a

$$\{a, b, x\}$$

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

12. (1 point) exercise 11b

$$\{a, c, z\}$$

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

Some other questions

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

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

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

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

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

4 points

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

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

Solution: answer 4

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

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

Solution: answer 2

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

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

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

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

5. (1 point) exercise 2a $a = 4, b = 5, c = 7$

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

6. (1 point) exercise 14c $a = 3, b = 3, c = 5$

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

Solution: This is the solution $a = 3, b = 3, c = 5$

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

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

8 points

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

- (a) answer 4 wrong
- (b) answer 5 wrong
- (c) answer 3 wrong

- ▶ (d) answer 1 correct
- (e) answer 2 wrong

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

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

10. (1 point) $a = 13, b = 14, c = 4, k = 4$

Evaluate with two exact decimals

$13 : 4 =$

3.25

11. (1 point) exercise 11b

$\{a, b, x\}$

- (a) answer 2 wrong
- (b) answer 3 wrong

- ▶ (c) answer 1 correct

12. (1 point) exercise 11a

$\{a, c, x\}$

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

Some other questions

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

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

2. (1 point) exercise 12c $a = 3, b = 5, c = 5$

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

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

4 points

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

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

Solution: answer 1

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

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

Solution: answer 4

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

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

4. (1 point) exercise 2b $a = 4, b = 5, c = 7$

- (a) answer 2 wrong
- (b) answer 5 wrong
- ▶ (c) answer 1 correct
- (d) answer 3 wrong
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5. (1 point) exercise 2c $a = 3, b = 3, c = 5$

- (a) answer 5 wrong
- (b) answer 4 wrong
- ▶ (c) answer 1 correct
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6. (1 point) exercise 1a $a = 5$

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

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

- (a) answer 4 wrong
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8 points

8. (1 point) $a = 14, b = 13, c = 3, k = 5$
Evaluate with two exact decimals

$13 : 5 =$

2.6

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

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

10. (1 point) exercise 14a $a = 4, b = 5, c = 4$

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

Solution: This is the solution $a = 4, b = 5, c = 4$

11. (1 point) exercise 11b

$\{a, b, x\}$

- ▶ (a) answer 1 correct
- (b) answer 2 wrong

- (c) answer 3 wrong

12. (1 point) exercise 11a

$\{b, c, x\}$

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

Some other questions

1. (1 point) exercise 12b $a = 3, b = 5, c = 5$

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

2. (2 points) exercise 13a $a = 2, b = 5, c = 8$

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

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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:

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

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

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

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

Solution: answer 3

3. (2 points) exercise 3a $a = 4, b = 5, c = 7$

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

Solution: answer 1

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

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

5. (1 point) exercise 2a $a = 5, b = 3, c = 8$

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

6. (1 point) exercise 1b $a = 3$

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

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

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

8 points

8. (1 point) exercise 14c $a = 2, b = 3, c = 7$

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

Solution: This is the solution $a = 2, b = 3, c = 7$

9. (1 point) exercise 4e $a = 2, b = 3, c = 4$

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

10. (1 point) $a = 14, b = 14, c = 2, k = 5$

Evaluate with two exact decimals

$$14 : 2 = \boxed{7}$$

11. (1 point) exercise 11b

$\{a, x, y\}$

- ▶ (a) answer 1 correct
- (b) answer 2 wrong

(c) answer 3 wrong

12. (1 point) exercise 11a

$\{a, b, x\}$

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

Some other questions

1. (2 points) exercise 13d $a = 2, b = 5, c = 8$

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

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

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

Part two

Some other instructions.

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

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

Solution:

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

4 points

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

Solution:

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

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INSTRUCTIONS

- Write here your instructions
- two
- three

Part One

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

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

Solution: answer 1

2. (2 points) exercise 3d $a = 4, b = 5, c = 7$

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

Solution: answer 4

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

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

4. (1 point) exercise 2c $a = 5, b = 3, c = 8$

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

5. (1 point) exercise 2a $a = 3, b = 2, c = 7$

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

6. (1 point) $a = 15, b = 15, c = 3, k = 4$
Evaluate with two exact decimals

$$15 : 4 =$$

3.75

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

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

8 points

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

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

9. (1 point) exercise 1a $a = 4$

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

10. (1 point) exercise 14e $a = 2, b = 3, c = 7$

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

Solution: This is the solution $a = 2, b = 3, c = 7$

11. (1 point) exercise 11a

$\{a, b, x\}$

- ▶ (a) answer 1 correct
- (b) answer 2 wrong

(c) answer 3 wrong

12. (1 point) exercise 11b

$\{a, b, x\}$

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

Some other questions

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

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

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

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

Part two

Some other instructions.

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

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

Solution:

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

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

Solution:

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

4 points

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INSTRUCTIONS

- Write here your instructions
- two
- three

Part One

1. (2 points) exercise 3b $a = 4, b = 5, c = 7$

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

Solution: answer 2

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

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

Solution: answer 1

3. (1 point) exercise 2a $a = 5, b = 3, c = 8$

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

4. (1 point) exercise 2c $a = 3, b = 2, c = 7$

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

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

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

6. (1 point) $a = 12, b = 13, c = 3, k = 4$
Evaluate with two exact decimals

$$12 : 3 =$$

4

7. (1 point) exercise 14d $a = 3, b = 4, c = 2$

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

Solution: This is the solution $a = 3, b = 4, c = 2$

8 points

8. (2 points) exercise 9d $a = 4, b = 4, c = 7$

(a) answer 2 wrong

(b) answer 4 wrong

(c) answer 3 wrong

► (d) answer 1 correct

(e) answer 5 wrong

9. (1 point) exercise 1b $a = 5$

(a) answer 2 wrong

(b) answer 3 wrong

► (c) answer 1 correct

10. (1 point) exercise 4b $a = 3, b = 2, c = 7$

(a) answer 3 wrong

(b) answer 4 wrong

(c) answer 2 wrong

► (d) answer 1 correct

(e) answer 5 wrong

11. (1 point) exercise 11b

$\{b, y, z\}$

(a) answer 2 wrong

(b) answer 3 wrong

► (c) answer 1 correct

12. (1 point) exercise 11a

$\{b, c, z\}$

► (a) answer 1 correct

(b) answer 2 wrong

(c) answer 3 wrong

Some other questions

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

(a) answer 2 wrong

(b) answer 4 wrong

► (c) answer 1 correct

(d) answer 5 wrong

(e) answer 3 wrong

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

(a) answer 4 wrong

(b) answer 5 wrong

► (c) answer 1 correct

(d) answer 2 wrong

(e) answer 3 wrong

Part two

Some other instructions.

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

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

Solution:

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

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

Solution:

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

4 points

Solution Version n. 1

1. e
2. e
3. b
4. d
5. c
6. c
7. a
8. d
9. c
10. 3.75
11. c
12. c

Solution Version n. 2

1. a
2. b
3. e
4. e
5. e
6. a
7. e
8. b
9. 3.75
10. a
11. b
12. a

Solution Version n. 3

1. a
2. c
3. a
4. c
5. b
6. e
7. 3.25
8. a
9. c
10. d
11. b
12. a

1. c
2. a

1. a
2. a

1. d
2. a

Solution Version n. 4

1. b
2. d
3. a
4. b
5. a
6. 6
7. a
8. c
9. d
10. c
11. c
12. b

Solution Version n. 5

1. b
2. e
3. c
4. a
5. b
6. e
7. c
8. a
9. 3.75
10. c
11. b
12. a

Solution Version n. 6

1. d
2. a
3. d
4. a
5. b
6. b
7. b
8. d
9. a
10. 3.25
11. c
12. b

1. a
2. b

1. d
2. d

1. c
2. d

Solution Version n. 7

1. c
2. b
3. c
4. c
5. c
6. b
7. c
8. 2.6
9. e
10. a
11. a
12. b

Solution Version n. 8

1. e
2. a
3. b
4. e
5. e
6. c
7. e
8. a
9. d
10. 7
11. a
12. b

Solution Version n. 9

1. c
2. c
3. b
4. b
5. e
6. 3.75
7. b
8. a
9. a
10. c
11. a
12. a

1. b
2. b

1. d
2. c

1. d
2. d

Solution Version n. 10

1. a
2. d
3. d
4. c
5. c
6. 4
7. b
8. d
9. c
10. d
11. c
12. a

1. c
2. c