

The name of the exam 22 luglio 2014	Prof.	Firma leggibile dello studente
Cognome:	Nome:	Matricola:

INSTRUCTIONS

- Write here your instructions
- two è con accento
- three è à é ò ù

Part One

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

seme=20140723

semeex=20140723

(a) answer 4 wrong

(b) answer 3 wrong

► (c) answer 1 correct

(d) answer 2 wrong

(e) answer 5 wrong

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

seme=20140723

semeex=20140723

(a) answer 3 wrong

(b) answer 5 wrong

► (c) answer 1 correct

(d) answer 2 wrong

(e) answer 4 wrong

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

► (a) answer 1 correct

(b) answer 3 wrong

(c) answer 5 wrong

(d) answer 4 wrong

(e) answer 2 wrong

Soluzione: answer 1

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

► (a) answer 1 correct

(b) answer 3 wrong

(c) answer 2 wrong

(d) answer 4 wrong

(e) answer 5 wrong

Soluzione: answer 1

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

seme=20140723

semeex=20140723

(a) answer 2 wrong

(b) answer 5 wrong

(c) answer 4 wrong

(d) answer 3 wrong

► (e) answer 1 correct

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

(a) answer 3 wrong

► (b) answer 1 correct

(c) answer 2 wrong

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

(a) answer 5 wrong

(b) answer 2 wrong

(c) answer 4 wrong

(d) answer 3 wrong

► (e) answer 1 correct

18 punti

8. (1 punto) $a = 15, b = 13, c = 3, k = 4$
Evaluate with two exact decimals

$15 : 3 =$

9. (1 punto) exercise 14a $a = 3, b = 5, c = 5$
 $\alpha_i = 11 \alpha_{ii} = 3$

(a) answer 4 wrong

(b) answer 5 wrong

► (c) answer 1 correct

(d) answer 2 wrong

(e) answer 3 wrong

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

10. (2 punti) exercise 9d $a = 4, b = 3, c = 3$

► (a) answer 1 correct

(b) answer 4 wrong

(c) answer 5 wrong

(d) answer 2 wrong

(e) answer 3 wrong

11. (1 punto) exercise 11b

$\{b, x, y\}$

► (a) answer 1 correct

(b) answer 2 wrong

(c) answer 3 wrong

12. (1 punto) exercise 11a

$\{b, c, x\}$

(a) answer 2 wrong

► (b) answer 1 correct

(c) answer 3 wrong

Some other questions

Part two

Some other instructions.

ESERCIZIO 1.

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

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

Soluzione:

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

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

Soluzione:

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

4 punti

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INSTRUCTIONS

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Part One

1. (1 punto) exercise 2b $a = 3, b = 4, c = 7$
seme=40281445
semeex=40281445

(a) answer 4 wrong

(b) answer 3 wrong

► (c) answer 1 correct

(d) answer 2 wrong

(e) answer 5 wrong

2. (1 punto) exercise 2a $a = 3, b = 4, c = 6$
seme=40281445
semeex=40281445

(a) answer 4 wrong

(b) answer 2 wrong

(c) answer 5 wrong

► (d) answer 1 correct

(e) answer 3 wrong

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

(a) answer 4 wrong

(b) answer 5 wrong

► (c) answer 1 correct

(d) answer 2 wrong

(e) answer 3 wrong

Soluzione: answer 1

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

(a) answer 2 wrong

(b) answer 5 wrong

(c) answer 4 wrong

► (d) answer 1 correct

(e) answer 3 wrong

Soluzione: answer 1

5. (1 punto) exercise 2c $a = 2, b = 2, c = 2$
seme=40281445
semeex=40281445

(a) answer 4 wrong

(b) answer 2 wrong

► (c) answer 1 correct

(d) answer 3 wrong

(e) answer 5 wrong

6. (1 punto) $a = 13, b = 14, c = 4, k = 4$
Evaluate with two exact decimals

14 : 4 =

3,5

7. (1 punto) exercise 1a $a = 2$

(a) answer 2 wrong

► (b) answer 1 correct

(c) answer 3 wrong

18 punti

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

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

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

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

10. (1 punto) exercise 14a $a = 5, b = 5, c = 8$
 $\alpha_i = 3 \alpha_{ii} = 11$

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

Soluzione: This is the solution $a = 5, b = 5, c = 8$

11. (1 punto) exercise 11b

- $\{a, c, z\}$
- (a) answer 3 wrong
- (b) answer 2 wrong
- (c) answer 1 correct

12. (1 punto) exercise 11a

- $\{a, b, x\}$
- (a) answer 3 wrong
- (b) answer 2 wrong
- (c) answer 1 correct

Some other questions

Part two

Some other instructions.

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

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

Soluzione:

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

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

Soluzione:

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

4 punti

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Part One

1. (1 punto) exercise 2a $a = 5, b = 5, c = 8$
 seme=60422167
 semeex=60422167

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

2. (1 punto) exercise 2c $a = 3, b = 2, c = 7$
 seme=60422167
 semeex=60422167

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

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

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

Soluzione: answer 1

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

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

Soluzione: answer 1

5. (1 punto) exercise 2b $a = 4, b = 2, c = 4$
 seme=60422167
 semeex=60422167

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

6. (1 punto) exercise 4c $a = 5, b = 3, c = 7$

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

18 punti

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

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

8. (1 punto) exercise 14a $a = 5, b = 2, c = 2$
 $\alpha_i = 7 \alpha_{ii} = 5$

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

Soluzione: This is the solution $a = 5, b = 2, c = 2$

9. (1 punto) $a = 13, b = 14, c = 4, k = 4$
Evaluate with two exact decimals

$13 : 4 =$

3,25

10. (1 punto) exercise 1b $a = 2$

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

11. (1 punto) exercise 11a

$\{a, b, c\}$

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

12. (1 punto) exercise 11b

$\{a, b, c\}$

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

Some other questions

Part two

Some other instructions.

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

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

Soluzione:

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

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

Soluzione:

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

4 punti

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Part One

<p>1. (1 punto) exercise 2a $a = 5, b = 4, c = 3$ seme=80562889 semeex=80562889</p> <p>(a) answer 5 wrong</p> <p>(b) answer 2 wrong</p> <p>► (c) answer 1 correct</p> <p>(d) answer 4 wrong</p> <p>(e) answer 3 wrong</p>	<p>4. (2 punti) exercise 3c $a = 2, b = 4, c = 8$</p> <p>(a) answer 5 wrong</p> <p>(b) answer 4 wrong</p> <p>(c) answer 3 wrong</p> <p>(d) answer 2 wrong</p> <p>► (e) answer 1 correct</p> <p>Soluzione: answer 1</p>	<div></div> <div>18 punti</div>
<p>2. (2 punti) exercise 3d $a = 4, b = 3, c = 2$</p> <p>► (a) answer 1 correct</p> <p>(b) answer 3 wrong</p> <p>(c) answer 5 wrong</p> <p>(d) answer 2 wrong</p> <p>(e) answer 4 wrong</p> <p>Soluzione: answer 1</p>	<p>5. (1 punto) exercise 2b $a = 5, b = 3, c = 8$ seme=80562889 semeex=80562889</p> <p>(a) answer 3 wrong</p> <p>► (b) answer 1 correct</p> <p>(c) answer 2 wrong</p> <p>(d) answer 5 wrong</p> <p>(e) answer 4 wrong</p>	
<p>3. (1 punto) exercise 2c $a = 2, b = 2, c = 8$ seme=80562889 semeex=80562889</p> <p>(a) answer 4 wrong</p> <p>(b) answer 3 wrong</p> <p>(c) answer 5 wrong</p> <p>► (d) answer 1 correct</p> <p>(e) answer 2 wrong</p>	<p>6. (1 punto) exercise 4a $a = 4, b = 3, c = 3$</p> <p>(a) answer 3 wrong</p> <p>(b) answer 2 wrong</p> <p>(c) answer 4 wrong</p> <p>(d) answer 5 wrong</p> <p>► (e) answer 1 correct</p>	

7. (1 punto) exercise 14a $a = 2, b = 2, c = 3$
 $\alpha_{hai} = 11 \alpha_{haii} = 5$

(a) answer 2 wrong

► (b) answer 1 correct

(c) answer 3 wrong

(d) answer 4 wrong

(e) answer 5 wrong

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

8. (2 punti) exercise 9b $a = 4, b = 4, c = 6$

(a) answer 2 wrong

► (b) answer 1 correct

(c) answer 5 wrong

(d) answer 3 wrong

(e) answer 4 wrong

9. (1 punto) exercise 1a $a = 2$

(a) answer 2 wrong

(b) answer 3 wrong

► (c) answer 1 correct

10. (1 punto) $a = 15, b = 15, c = 4, k = 5$
Evaluate with two exact decimals

$15 : 5 =$

3

11. (1 punto) exercise 11b

$\{b, c, x\}$

(a) answer 2 wrong

(b) answer 3 wrong

► (c) answer 1 correct

12. (1 punto) exercise 11a

$\{a, b, x\}$

(a) answer 2 wrong

► (b) answer 1 correct

(c) answer 3 wrong

Some other questions

Part two

Some other instructions.

ESERCIZIO 1.

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

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

Soluzione:

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

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

Soluzione:

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

4 punti

Soluzione Versione n. 1

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

Soluzione Versione n. 2

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

Soluzione Versione n. 3

1. c
2. c
3. a
4. e
5. a
6. d
7. d
8. a
9. 3,25
10. c
11. c
12. b

Soluzione Versione n. 4

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