INSTRUCTIONS

- Write here your instructions
- two
- three

Part One

SOME EXERCISES FROM 2 FILES

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

   (a) answer 3 wrong

   (b) answer 4 wrong

▶   (c) answer 1 correct

   (d) answer 5 wrong

   (e) answer 2 wrong

   Soluzione: answer 1

2. *(1 punto)* exercise 2b $a = 3$, $b = 4$, $c = 8$

   (a) answer 4 wrong

▶   (b) answer 1 correct

   (c) answer 2 wrong

   (d) answer 3 wrong

   (e) answer 5 wrong

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

   (a) answer 5 wrong

▶   (b) answer 1 correct

   (c) answer 4 wrong

   (d) answer 2 wrong

   (e) answer 3 wrong

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

▶   (a) answer 1 correct

   (b) answer 4 wrong

   (c) answer 5 wrong

   (d) answer 3 wrong

   (e) answer 2 wrong

   Soluzione: answer 1

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

▶   (a) answer 1 correct

   (b) answer 4 wrong

   (c) answer 2 wrong

   (d) answer 5 wrong

   (e) answer 3 wrong

6. *(1 punto)* exercise 14a $a = 2$, $b = 2$, $c = 8$ $alphai = 3$ $alphaii = 5$

   (a) answer 4 wrong

   (b) answer 5 wrong

   (c) answer 2 wrong

▶   (d) answer 1 correct

   (e) answer 3 wrong

   Soluzione: This is the solution $a = 2$, $b = 2$, $c = 8$

7. *(1 punto)* $a = 12$, $b = 13$, $c = 3$, $k = 4$
Evaluate with two exact decimals

$$13 : 4 = \boxed{\textbf{\color{red}3,25}}$$

$\boxed{\text{15 punti}}$

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

   (a) answer 3 wrong

   (b) answer 4 wrong

   (c) answer 2 wrong

▶   (d) answer 1 correct

   (e) answer 5 wrong

9. *(1 punto)* exercise 1a $a = 3$

▶   (a) answer 1 correct

   (b) answer 2 wrong

   (c) answer 3 wrong

10. *(2 punti)* exercise 9b $a = 2$, $b = 5$, $c = 6$

   (a) answer 4 wrong

   (b) answer 2 wrong

   (c) answer 3 wrong

   (d) answer 5 wrong

▶   (e) answer 1 correct

ALL THE PROBLEMS OF A FILE

11. *(1 punto)* exercise 11a

$$\{b,\ y,\ z\}$$

▶   (a) answer 1 correct

   (b) answer 3 wrong

   (c) answer 2 wrong

12. *(1 punto)* exercise 11b

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

▶   (a) answer 1 correct

   (b) answer 3 wrong

   (c) answer 2 wrong

SOME OTHER QUESTIONS

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

   (a) answer 3 wrong

   (b) answer 2 wrong

   (c) answer 5 wrong

   (d) answer 4 wrong

▶   (e) answer 1 correct

2. *(2 punti)* exercise 13b $a = 2$, $b = 2$, $c = 3$

   (a) answer 4 wrong

   (b) answer 3 wrong

   (c) answer 2 wrong

   (d) answer 5 wrong

▶   (e) answer 1 correct

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

An example of matching question.

Esercizio 2.
$a = 5$, $b = 4$, $c = 7$

(C)	5×4	(A)	9
(B)	$7 - 5$	(B)	2
(A)	$5 + 4$	(C)	20

3 punti

An example of "tabella" question.

ESERCIZIO 3.   Solve the following equations:

Equation	Solution
$x^2 + 9x + 18 = 0$	$x = 6;\ x = 3$
$x^2 - 9x + 18 = 0$	$x = -6;\ x = -3$
$x^2 + 3x - 18 = 0$	$x = -6;\ x = 3$
$x^2 - 3x - 18 = 0$	$x = 6;\ x = -3$

INSTRUCTIONS

- Write here your instructions

- two

- three

Part One

SOME EXERCISES FROM 2 FILES

1. *(1 punto)* exercise 2b $a = 3$, $b = 4$, $c = 8$

   (a) answer 2 wrong

   (b) answer 3 wrong

   (c) answer 4 wrong

   (d) answer 5 wrong

▶   (e) answer 1 correct

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

▶   (a) answer 1 correct

   (b) answer 3 wrong

   (c) answer 5 wrong

   (d) answer 4 wrong

   (e) answer 2 wrong

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

   (a) answer 2 wrong

   (b) answer 4 wrong

   (c) answer 5 wrong

   (d) answer 3 wrong

▶   (e) answer 1 correct

Soluzione: answer 1

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

   (a) answer 3 wrong

   (b) answer 4 wrong

   (c) answer 5 wrong

▶   (d) answer 1 correct

   (e) answer 2 wrong

15 punti

5. *(2 punti)* exercise 3d $a = 5$, $b = 5$, $c = 7$

▶   (a) answer 1 correct

   (b) answer 4 wrong

   (c) answer 5 wrong

   (d) answer 2 wrong

   (e) answer 3 wrong

Soluzione: answer 1

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

   (a) answer 5 wrong

▶   (b) answer 1 correct

   (c) answer 2 wrong

   (d) answer 3 wrong

   (e) answer 4 wrong

7. *(2 punti)* exercise 9c $a = 2$, $b = 4$, $c = 3$

▶   (a) answer 1 correct

   (b) answer 4 wrong

   (c) answer 5 wrong

   (d) answer 3 wrong

   (e) answer 2 wrong

8. *(1 punto)* exercise 1b $a = 5$

   (a) answer 2 wrong

   (b) answer 3 wrong

▶   (c) answer 1 correct

9. *(1 punto)* exercise 14a $a = 2,\ b = 2,\ c = 3$ $alphai = 11\ alphaii = 7$

   (a) answer 3 wrong

▶   (b) answer 1 correct

   (c) answer 2 wrong

   (d) answer 5 wrong

   (e) answer 4 wrong

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

10. *(1 punto)* $a = 14,\ b = 15,\ c = 2,\ k = 5$
Evaluate with two exact decimals

$$14 : 2 = \boxed{\qquad \textcolor{red}{7} \qquad}$$

ALL THE PROBLEMS OF A FILE

11. *(1 punto)* exercise 11b

$$\{a,\ b,\ c\}$$

   (a) answer 3 wrong

   (b) answer 2 wrong

▶   (c) answer 1 correct

12. *(1 punto)* exercise 11a

$$\{b,\ c,\ y\}$$

▶   (a) answer 1 correct

   (b) answer 2 wrong

   (c) answer 3 wrong

SOME OTHER QUESTIONS

1. *(2 punti)* exercise 13c $a = 2,\ b = 2,\ c = 2$

   (a) answer 2 wrong

   (b) answer 3 wrong

   (c) answer 5 wrong

   (d) answer 4 wrong

▶   (e) answer 1 correct

2. *(1 punto)* exercise 12b $a = 5,\ b = 3,\ c = 7$

   (a) answer 3 wrong

▶   (b) answer 1 correct

   (c) answer 5 wrong

   (d) answer 2 wrong

   (e) answer 4 wrong

Some other instructions.

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

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

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

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

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

An example of matching question.

Esercizio 2. $a = 12$, $b = 15$, $c = 4$

(E) 12×15 (A)   180

(D) $48 : 12$ (B)   180

(A) 12×15 (C)   256

(B) 12×15 (D)   4

(C) 4^4 (E)   180

3 punti

An example of "tabella" question.

ESERCIZIO 3.   Complete the following table of derivatives:

Function	Derivative
$f(x) = x^2$	$f'(x) = 2x$
$f(x) = \sin x$	$f'(x) = \cos x$
$f(x) = \cos x$	$f'(x) = -\sin x$

INSTRUCTIONS

- Write here your instructions

- two

- three

Part One

SOME EXERCISES FROM 2 FILES

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

▶ (a) answer 1 correct

(b) answer 3 wrong

(c) answer 5 wrong

(d) answer 4 wrong

(e) answer 2 wrong

2. *(1 punto)* exercise 2c $a = 4$, $b = 3$, $c = 8$

(a) answer 2 wrong

(b) answer 5 wrong

▶ (c) answer 1 correct

(d) answer 4 wrong

(e) answer 3 wrong

3. *(1 punto)* exercise 2a $a = 3$, $b = 2$, $c = 7$

(a) answer 4 wrong

(b) answer 5 wrong

▶ (c) answer 1 correct

(d) answer 3 wrong

(e) answer 2 wrong

4. *(2 punti)* exercise 3d $a = 5$, $b = 4$, $c = 6$

(a) answer 5 wrong

(b) answer 3 wrong

▶ (c) answer 1 correct

(d) answer 2 wrong

(e) answer 4 wrong

Soluzione: answer 1

5. *(2 punti)* exercise 3b $a = 5$, $b = 3$, $c = 7$

(a) answer 2 wrong

(b) answer 4 wrong

(c) answer 3 wrong

(d) answer 5 wrong

▶ (e) answer 1 correct

Soluzione: answer 1

6. *(2 punti)* exercise 9a $a = 4$, $b = 2$, $c = 7$

▶ (a) answer 1 correct

(b) answer 3 wrong

(c) answer 5 wrong

(d) answer 2 wrong

(e) answer 4 wrong

15 punti

7. *(1 punto)* exercise 4e $a = 4$, $b = 4$, $c = 4$

    (a) answer 4 wrong

    (b) answer 5 wrong

    (c) answer 2 wrong

    (d) answer 3 wrong

▶ (e) answer 1 correct

8. *(1 punto)* exercise 14a $a = 4$, $b = 4$, $c = 6$ $alphai = 7$ $alphaii = 3$

    (a) answer 2 wrong

    (b) answer 5 wrong

    (c) answer 3 wrong

    (d) answer 4 wrong

▶ (e) answer 1 correct

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

9. *(1 punto)* $a = 12$, $b = 15$, $c = 2$, $k = 4$
Evaluate with two exact decimals

$$15 : 4 = \boxed{\textbf{3,75}}$$

10. *(1 punto)* exercise 1a $a = 3$

    (a) answer 3 wrong

    (b) answer 2 wrong

▶ (c) answer 1 correct

ALL THE PROBLEMS OF A FILE

11. *(1 punto)* exercise 11b

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

▶ (a) answer 1 correct

    (b) answer 2 wrong

    (c) answer 3 wrong

12. *(1 punto)* exercise 11a

$$\{a,\ b,\ z\}$$

▶ (a) answer 1 correct

    (b) answer 3 wrong

    (c) answer 2 wrong

SOME OTHER QUESTIONS

1. *(1 punto)* exercise 12c $a = 5$, $b = 2$, $c = 6$

    (a) answer 5 wrong

    (b) answer 2 wrong

▶ (c) answer 1 correct

    (d) answer 4 wrong

    (e) answer 3 wrong

2. *(2 punti)* exercise 13a $a = 3$, $b = 4$, $c = 6$

    (a) answer 5 wrong

▶ (b) answer 1 correct

    (c) answer 4 wrong

    (d) answer 2 wrong

    (e) answer 3 wrong

Some other instructions.

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

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

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

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

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

4 punti

An example of matching question.

Esercizio 2.
$a = 4$, $b = 5$, $c = 4$

(C)	4×5		(A)	9
(B)	$4 - 4$		(B)	0
(A)	$4 + 5$		(C)	20

3 punti

An example of "tabella" question.

Esercizio 3. Solve the following equations:

Equation	Solution
$x^2 + 7x + 10 = 0$	$x = 5;\ x = 2$
$x^2 - 7x + 10 = 0$	$x = -5;\ x = -2$
$x^2 + 3x - 10 = 0$	$x = -5;\ x = 2$
$x^2 - 3x - 10 = 0$	$x = 5;\ x = -2$

INSTRUCTIONS

- Write here your instructions

- two

- three

Part One

SOME EXERCISES FROM 2 FILES

1. *(1 punto)* exercise 2b $a = 3$, $b = 2$, $c = 7$

   (a) answer 5 wrong

▶   (b) answer 1 correct

   (c) answer 2 wrong

   (d) answer 4 wrong

   (e) answer 3 wrong

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

   (a) answer 4 wrong

   (b) answer 2 wrong

   (c) answer 5 wrong

   (d) answer 3 wrong

▶   (e) answer 1 correct

   Soluzione: answer 1

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

▶   (a) answer 1 correct

   (b) answer 3 wrong

   (c) answer 4 wrong

   (d) answer 2 wrong

   (e) answer 5 wrong

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

   (a) answer 2 wrong

   (b) answer 4 wrong

▶   (c) answer 1 correct

   (d) answer 5 wrong

   (e) answer 3 wrong

   Soluzione: answer 1

15 punti

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

   (a) answer 2 wrong

   (b) answer 4 wrong

   (c) answer 3 wrong

▶   (d) answer 1 correct

   (e) answer 5 wrong

6. *(1 punto)* exercise 1b $a = 3$

   (a) answer 2 wrong

   (b) answer 3 wrong

▶   (c) answer 1 correct

7. *(2 punti)* exercise 9b $a = 5$, $b = 5$, $c = 8$

   (a) answer 2 wrong

   (b) answer 4 wrong

   (c) answer 3 wrong

▶   (d) answer 1 correct

   (e) answer 5 wrong

8. *(1 punto)* $a = 13$, $b = 14$, $c = 2$, $k = 4$
Evaluate with two exact decimals

$$13 : 2 = \boxed{\textcolor{red}{\textbf{6,5}}}$$

9. *(1 punto)* exercise 4d $a = 2$, $b = 2$, $c = 3$

   (a) answer 3 wrong

   (b) answer 2 wrong

▶   (c) answer 1 correct

   (d) answer 4 wrong

   (e) answer 5 wrong

10. *(1 punto)* exercise 14a $a = 2$, $b = 4$, $c = 3$
$alphai = 5$ $alphaii = 3$

   (a) answer 2 wrong

   (b) answer 5 wrong

   (c) answer 4 wrong

   (d) answer 3 wrong

▶   (e) answer 1 correct

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

ALL THE PROBLEMS OF A FILE

11. *(1 punto)* exercise 11b

$$\{b,\ c,\ x\}$$

   (a) answer 2 wrong

▶   (b) answer 1 correct

   (c) answer 3 wrong

12. *(1 punto)* exercise 11a

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

▶   (a) answer 1 correct

   (b) answer 3 wrong

   (c) answer 2 wrong

SOME OTHER QUESTIONS

1. *(2 punti)* exercise 13b $a = 4$, $b = 4$, $c = 6$

   (a) answer 4 wrong

   (b) answer 5 wrong

   (c) answer 3 wrong

   (d) answer 2 wrong

▶   (e) answer 1 correct

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

   (a) answer 2 wrong

   (b) answer 5 wrong

▶   (c) answer 1 correct

   (d) answer 4 wrong

   (e) answer 3 wrong

Part two

Some other instructions.

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

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

Soluzione:

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

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

Soluzione:

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

4 punti

An example of matching question.

Esercizio 2. $a = 12$, $b = 15$, $c = 3$

(A) 5^3 (A)   125

(C) 12×15 (B)   180

(D) $60 : 12$ (C)   180

(E) 12×15 (D)   5

(B) 12×15 (E)   180

<div style="text-align: right">

┌─────────┐
│   │
│ 3 punti │
└─────────┘

</div>

Esercizio 2. $a = 12$, $b = 15$, $c = 3$

(A) 5^3 (A)   125

(C) 12×15 (B)   180

(D) $60 : 12$ (C)   180

(E) 12×15 (D)   5

(B) 12×15 (E)   180

An example of "tabella" question.

ESERCIZIO 3. Complete the following table of derivatives:

Function	Derivative
$f(x) = x^2$	$f'(x) = 2x$
$f(x) = \sin x$	$f'(x) = \cos x$
$f(x) = \cos x$	$f'(x) = -\sin x$

Soluzione Versione n. 1

1. ??
2. ??
3. ??
4. ??
5. ??
6. ??
7. 3,25
8. ??
9. ??
10. ??
11. ??
12. ??

1. ??
2. ??

Soluzione Versione n. 2

1. ??
2. ??
3. ??
4. ??
5. ??
6. ??
7. ??
8. ??
9. ??
10. 7
11. ??
12. ??

1. ??
2. ??

Soluzione Versione n. 3

1. ??
2. ??
3. ??
4. ??
5. ??
6. ??
7. ??
8. ??
9. 3,75
10. ??
11. ??
12. ??

1. ??
2. ??

Soluzione Versione n. 4

1. ??
2. ??
3. ??
4. ??
5. ??
6. ??
7. ??
8. 6,5
9. ??
10. ??
11. ??
12. ??

1. ??
2. ??