

Je vous rappelle que pour
dire que " $f(z)$ est positif" il
faut écrire : $f(z) \geq 0$.

Et pour " $f(z)$ strictement
positif" : $f(z) > 0$.

11/02/22

$$11020.1 \frac{x^{1600}}{5040} =$$

$$0.2 \det(\vec{u}^0; \vec{v}^0) = -2$$

$$1.4. P(\overline{A \cap B}) = \frac{1}{2}$$

$$0.5. \left(-\frac{5\pi}{6}\right) = \frac{\sqrt{2}}{2}$$

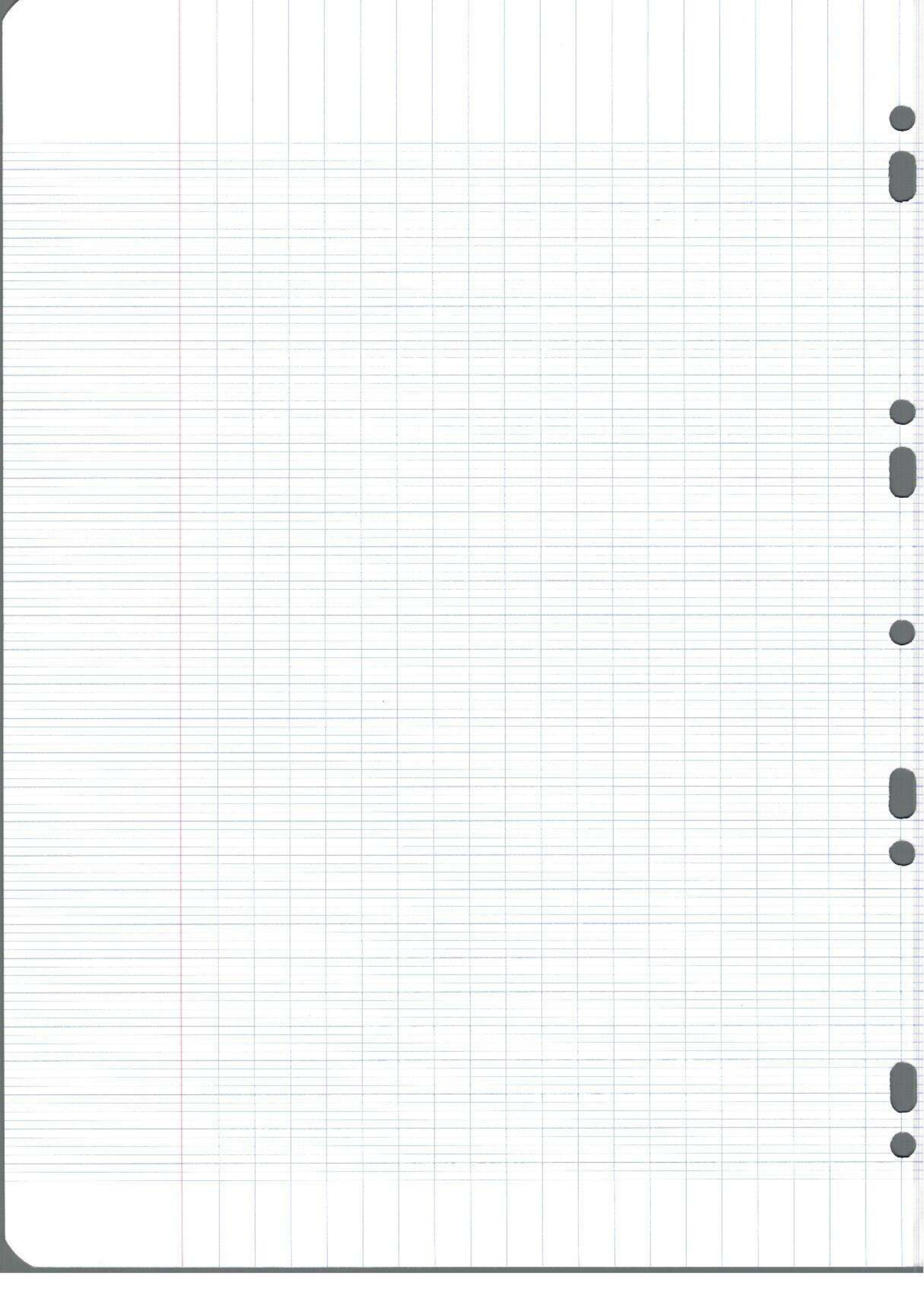
$$0.6. f'(1) = 1$$

$$0. f'(2) = 0$$

$$0. f'(3) = -3$$

$$0.7. 1\left(\frac{1}{x}\right)$$

$$0.3) 9$$



Interrogation 1 1/02/2022

1 1 070

1 1. $x^{5 \times 3 + 200 - 10} = x^{205}$

0 2. $\det = (-4 \times 3) - (2 \times 5)$
 $= -12 + 10$
 $= -2$

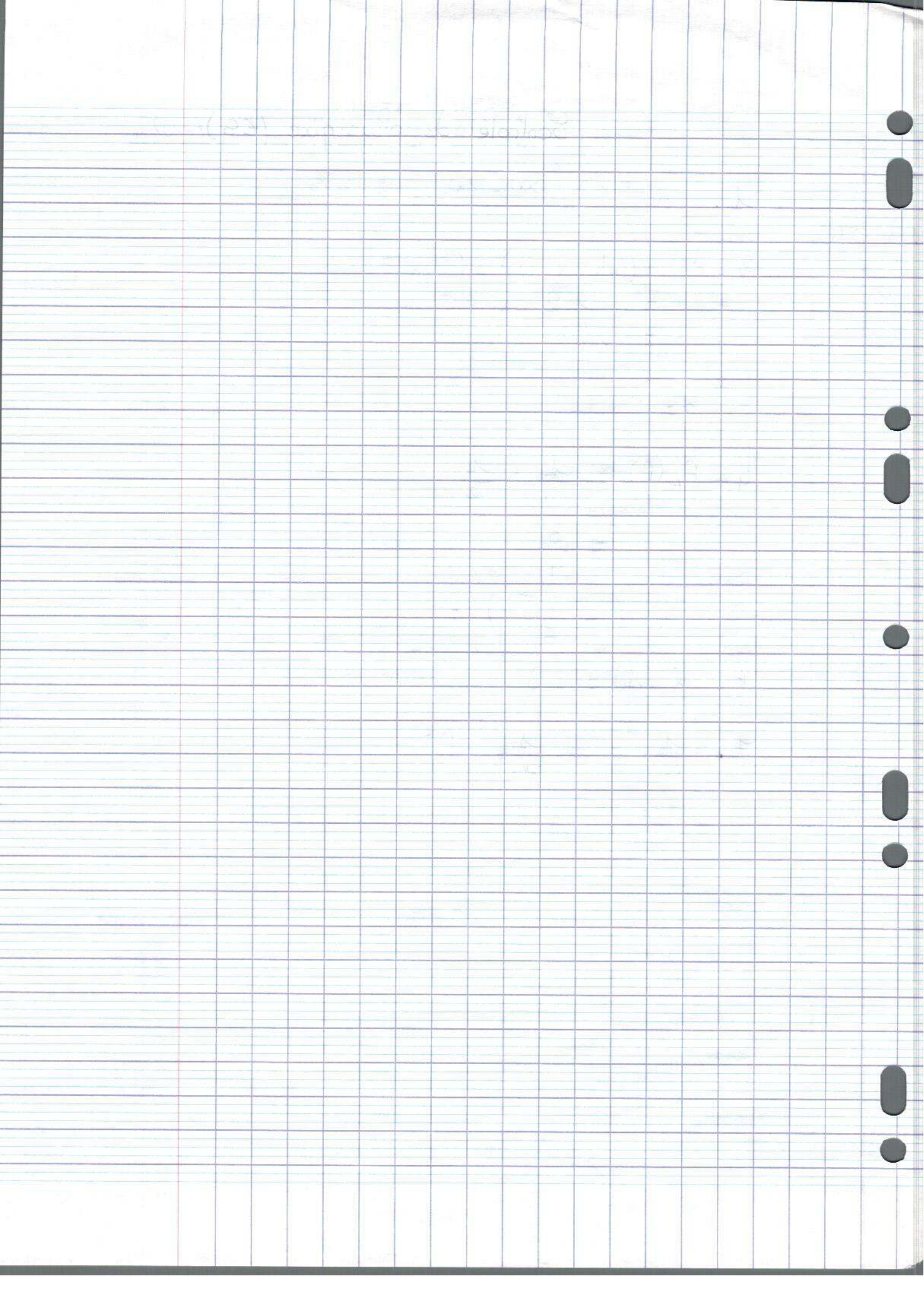
0 3. $q =$

2/9 0 4. $P_A(B) = \frac{1}{4} + \frac{1}{2}$
 $= \frac{3}{4}$

0 5. $\sin\left(-\frac{5\pi}{6}\right) =$

0 6. $f'(1) = -3$

1 7. $\frac{1}{x} - \frac{1}{x^2} \quad R^*$



44420

4413212022

1 $1 - x^{205}$

1 $2 - \det(\vec{u}, \vec{v}) = 22$

1 $3 - q = 3$

1 $4 - \frac{1}{2}$

5 -

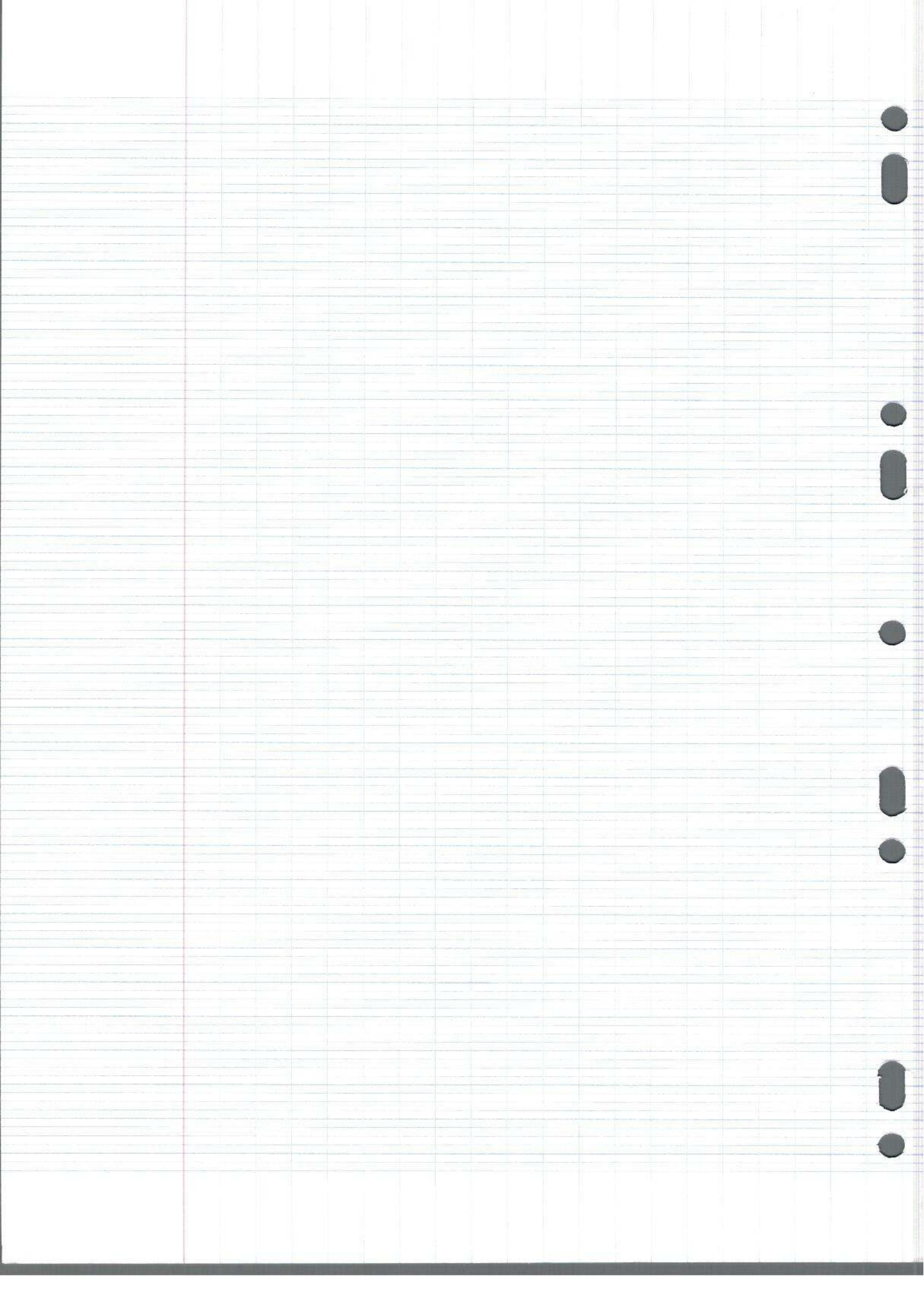
$\frac{8}{9}$

1 $6 - f'(-1) = -2$

1 $f'(-2) = 2$

1 signe $f'(3)$ \neq positif

1 $7 - f'(x) = -\frac{1}{x^2}$



11210

Interrogation

1. $z = \infty^{205}$

2. $\det(\vec{u}; \vec{v}) = 22$

3. $r' = 3$

4. $P_A(B) = \frac{1}{2}$

5. $\sin\left(-\frac{5\pi}{6}\right) = -\frac{1}{2}$

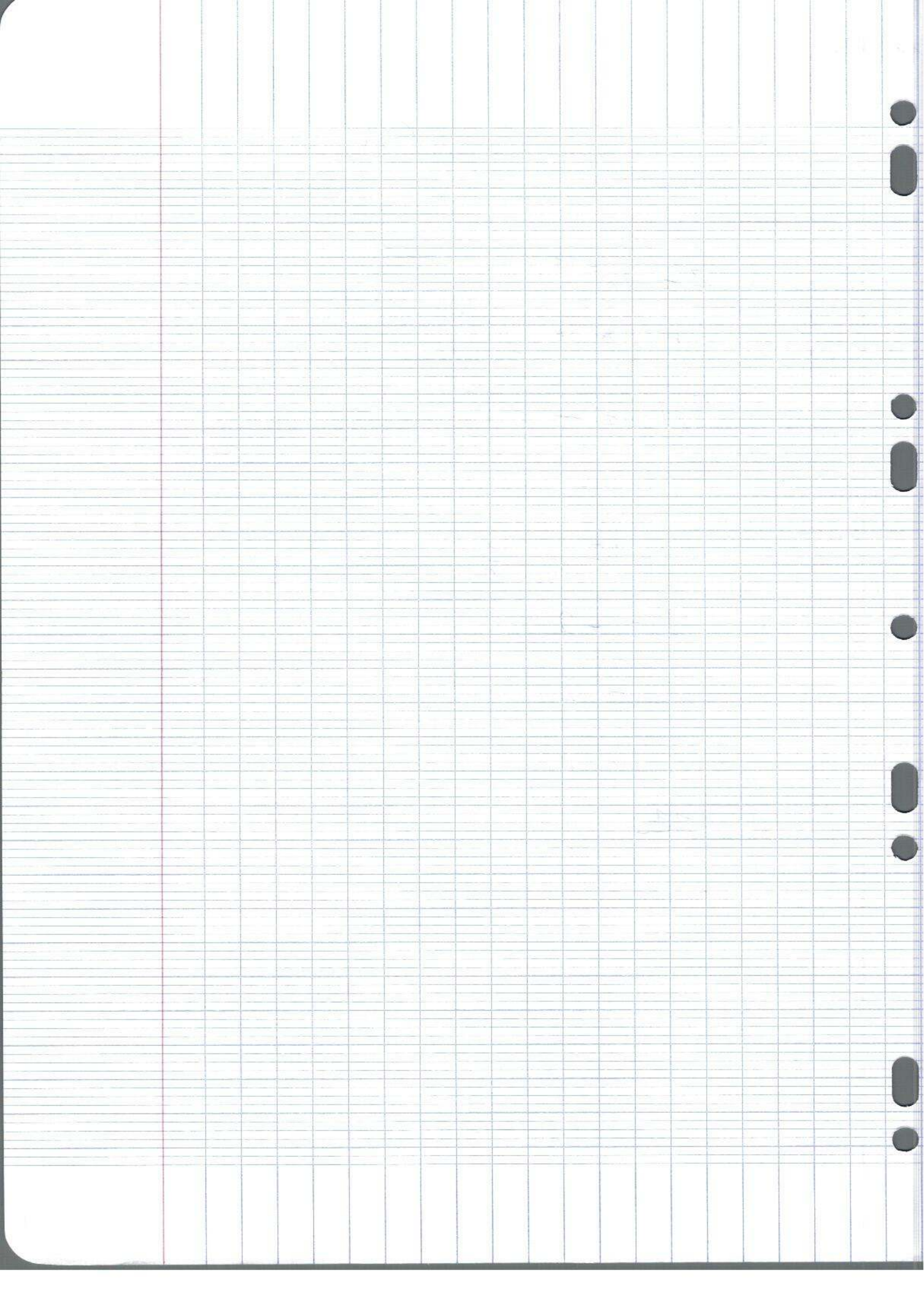
6. $f'(1) = -2$

7. $f'(-2) = 2$

8. $f'(3) > 0$

9. $\frac{1}{2\sqrt{2}}$

8/9



17220

1 $1. 2 = x^{205}$

1 $2. \det(\vec{u}; \vec{v}) = 22$

1 $3. q = 3$

1 $4. P_A(B) = \frac{1}{8} ?$

0 $5. \sin\left(\frac{-5\pi}{6}\right) = \frac{-2}{\sqrt{3}}$

7/9

1 $6. f'(1) = 2$

1

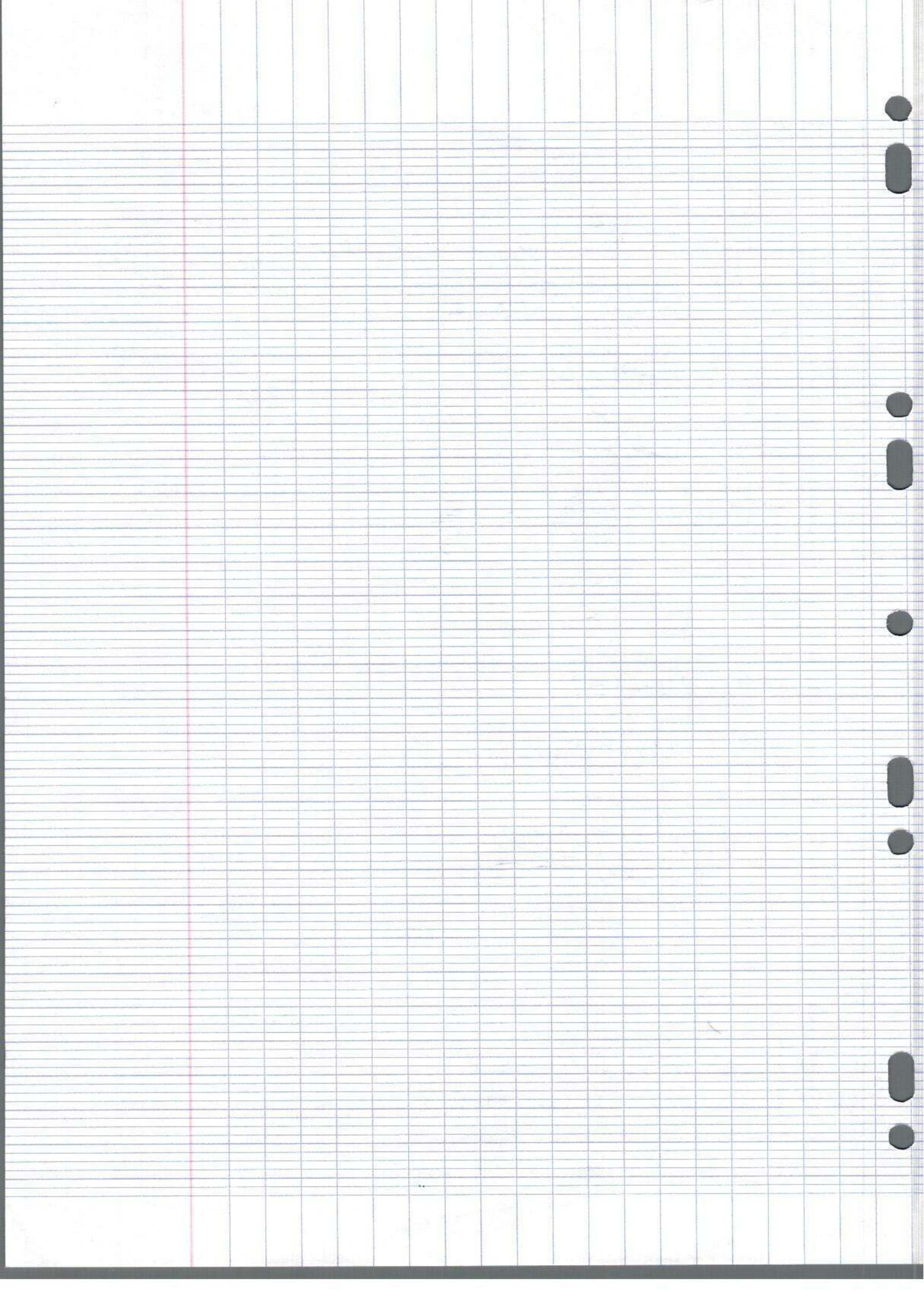
$f'(-2) = 2$

1

$f'(3)$ est positif

1

7 $f'\left(\frac{1}{x}\right) = -\frac{1}{x^2}$



11260

INTERROGATION

1 1. $Z = \alpha^{205}$

1 2. $\det(\vec{u}; \vec{v}) = 22$

1 3. 3

1 4. $P_A(B) = \frac{1}{2}$

5.

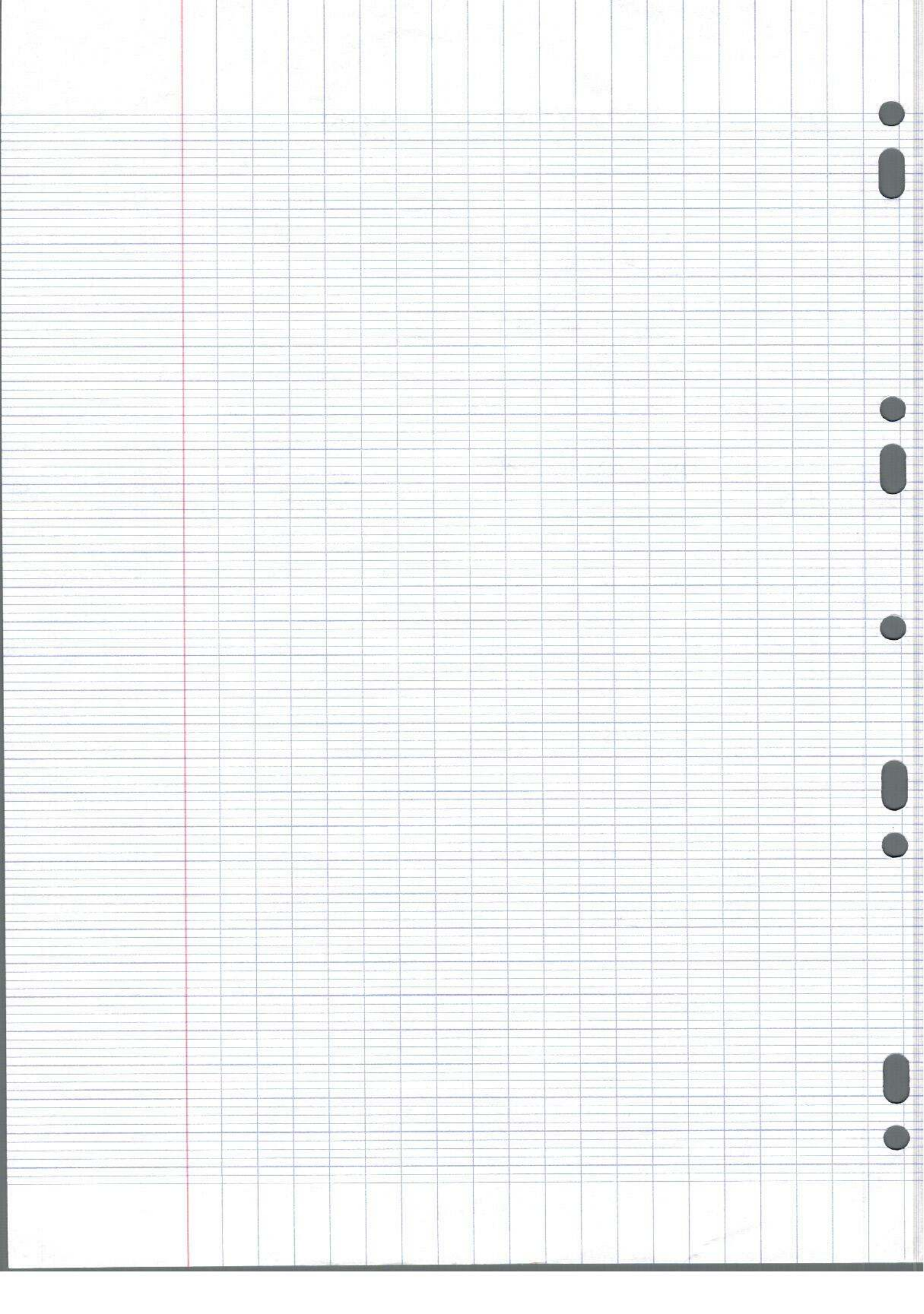
1 6. $f'(1) = -2$

1 $f'(-2) = 2$

0 $f'(3) = \underline{\emptyset}$

7. $-\frac{1}{\sqrt{c}}$

 $\frac{6}{9}$



11/3/0

11/02/2021

Évaluation de math

$$1. \frac{1.2^5 \cdot x^{2000}}{x^{10}} = x^{2005}$$

$$2. \det(\vec{u}, \vec{v}) = \begin{vmatrix} 5 & -4 \\ 3 & 2 \end{vmatrix}$$

$$\begin{aligned} &= 5 \times 2 - 3 \times -4 \\ &= 10 + 12 \\ &= 22 \end{aligned}$$

1

$$\begin{aligned} 3. \quad &u_3 = 3 \\ &u_4 = 9 \\ &u_5 = 27 \end{aligned} \quad n = 3.$$

$$4. P_A(B) = \frac{P(A \cap B)}{P(A)}$$

$$P_A(B) \cdot P(A) = P(A \cap B)$$

$$\frac{1}{2} \times \frac{1}{4} = P(A \cap B)$$

$$\frac{1}{6} = P(A \cap B)$$

$$5. \sin\left(-\frac{5\pi}{6}\right) = \frac{\sqrt{3}}{2}$$

$$1 \quad 6. f'(1) = -2$$

$$1 \quad f'(2) = 2$$

$$1 \quad f'(3) > 0$$

$$7. x \mapsto \frac{1}{x}$$

$$x \mapsto \frac{1}{\sqrt{x}}$$

5/9

11330

0 1) $Z = \text{~~1~~ } x^{2930}$

1 2) $\det(\vec{u}; \vec{v}) = 22$

1 3) $q = 3$

1 4) $\text{~~P}_A(B) = \frac{1}{2}~~$

0 5) $\sin\left(-\frac{5\pi}{6}\right) = -\frac{\sqrt{3}}{2}$

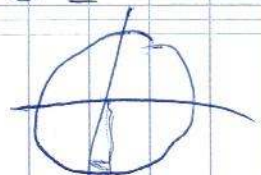
1 6) $f'(1) = -2$

1 7) $f'(-2) = 2$

1 8) $f'(3) > 0$

1 9) $-\frac{1}{x^2}$ avec $x \in]0; +\infty[$ $0] -\infty; 0[$

$$\begin{array}{l} 8 \\ 2 \end{array} \begin{array}{l} -4 \\ 2 \end{array} \Bigg) = 10 - (-4) \times 3 =$$



$3 \times 4 = 12$

$3 \times 3 = 9$

12×4

9×3

11420

1

1. Simplifier : $Z = \frac{(x^5)^3 \times x^{200}}{x^0}$ où x est un nombre non nul.

2. Simplifier

2. x^{205}

2. $10 - 12$

$10 + 12$

det = 22

1

1

3. raison = 3

0

4. $\frac{1}{4} \times \frac{2}{2 \times 2} = \frac{1}{8} \times \frac{2}{2} = \frac{1}{4} = P_A(B) = \frac{1}{8}$

5.

1

1

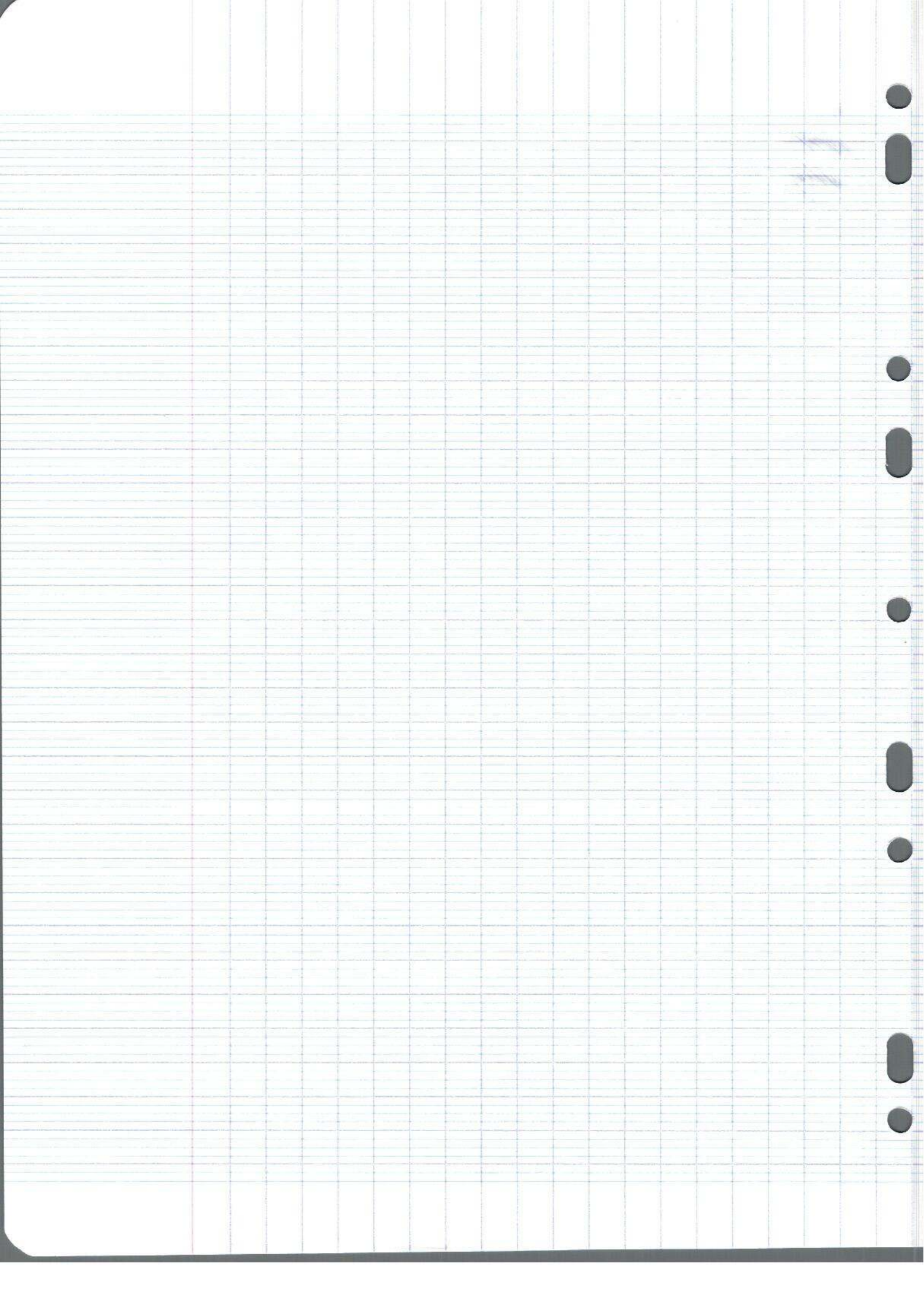
6. $f'(1) = -2$

$f'(-2) = 2$

$f'(3) \neq$ positif

6/9

7.



~~AA3~~

11430 1 ① x^{205}

②
$$\begin{vmatrix} 5 & -4 \\ 3 & 2 \end{vmatrix}$$

1

$$(5 \times 2) - (3 \times -4) = 22$$

1 ③ la raison est de 3

1 ④ $P_A(B) = \frac{1}{2}$

1 ⑤ $\sin\left(-\frac{5\pi}{6}\right) = -\frac{1}{2}$

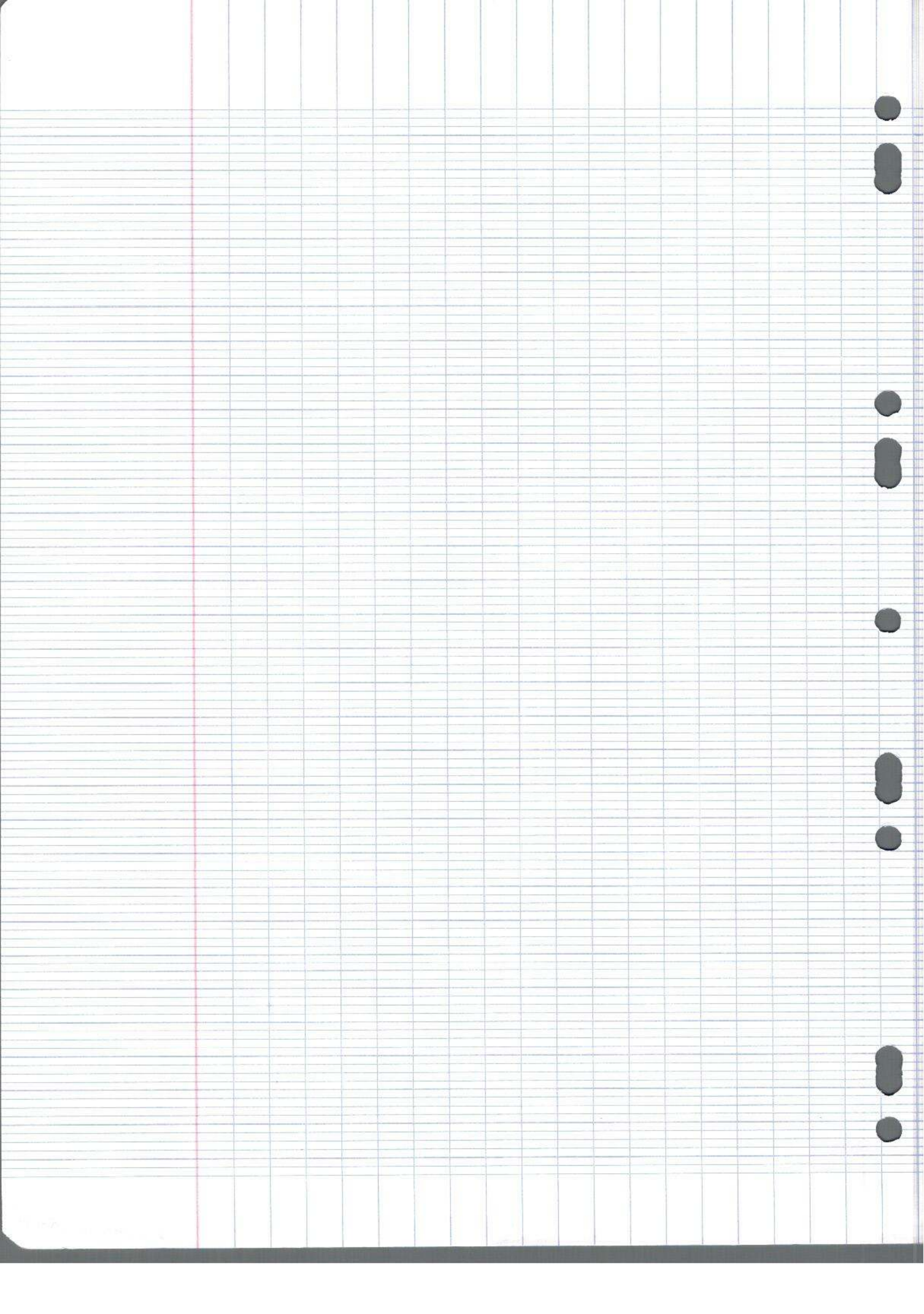
1 ⑥ $g'(1) = -2$

1 $g'(2) = 2$

1 le signe est positif.

8
/
9

⑦ $-\frac{1}{x^2}$



1450 1. $z = x^{205}$

1

det(\vec{u}, \vec{v})

0,5

2. $\vec{v} = -2\vec{u}$

1

3. $q = 3$

0

4. $P_A(B) = 0,75$

3,5
—
9

5.

6.

0

$f'(-1) = -1$

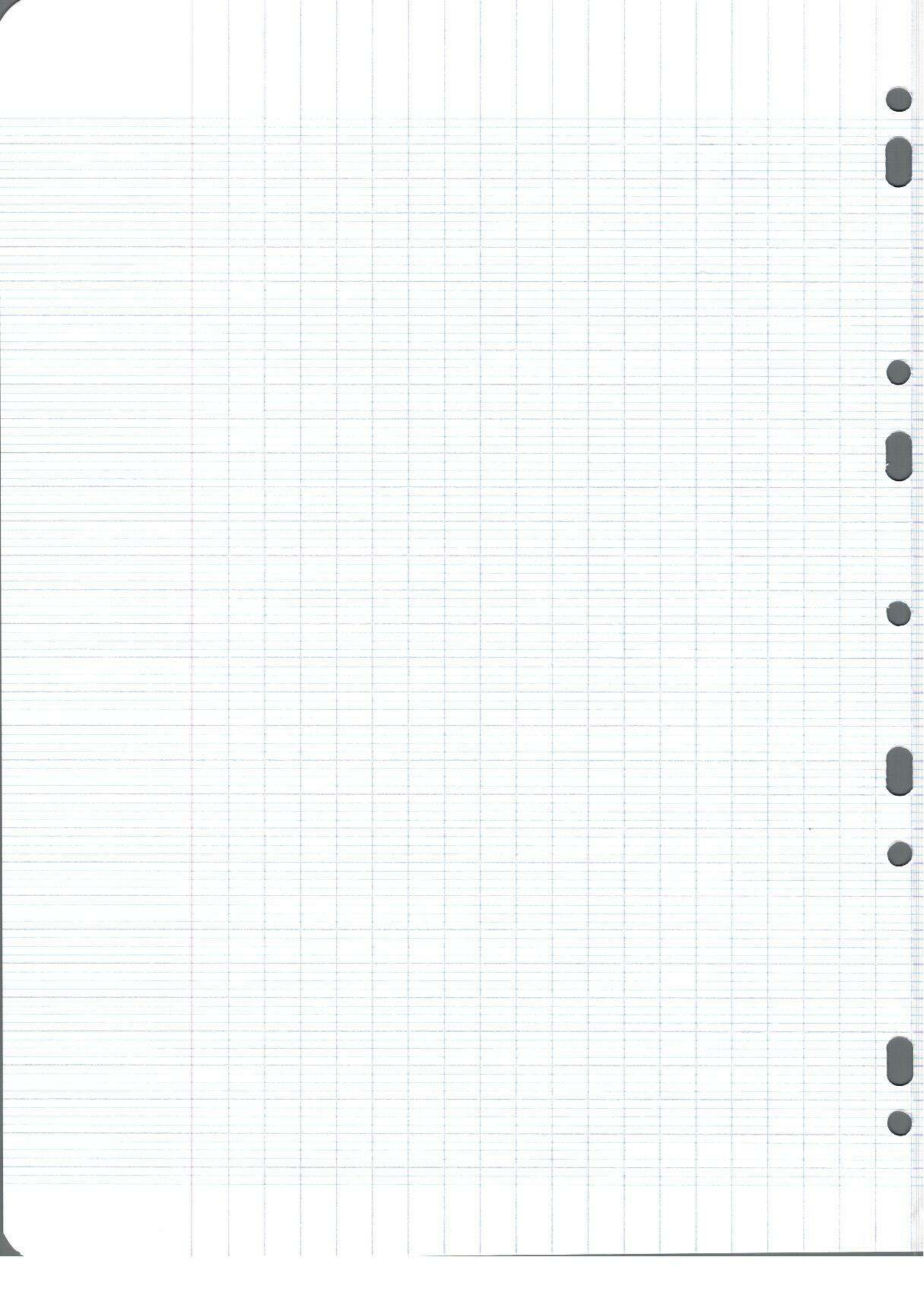
0

$f'(-2) = 0$

1

Le signe de $f'(3)$ est positif.

7. $\frac{1}{x} = \frac{1}{\sqrt{2}}$



17540

Interrogation de Math

1) x^{205}

2) $\det(\vec{u}; \vec{v}) = 22$

3) $q = 3$

4) $P_{P_A}(B) = \frac{1}{2}$

5) $\sqrt{\frac{1}{3}} - \frac{3}{\sqrt{2}}$

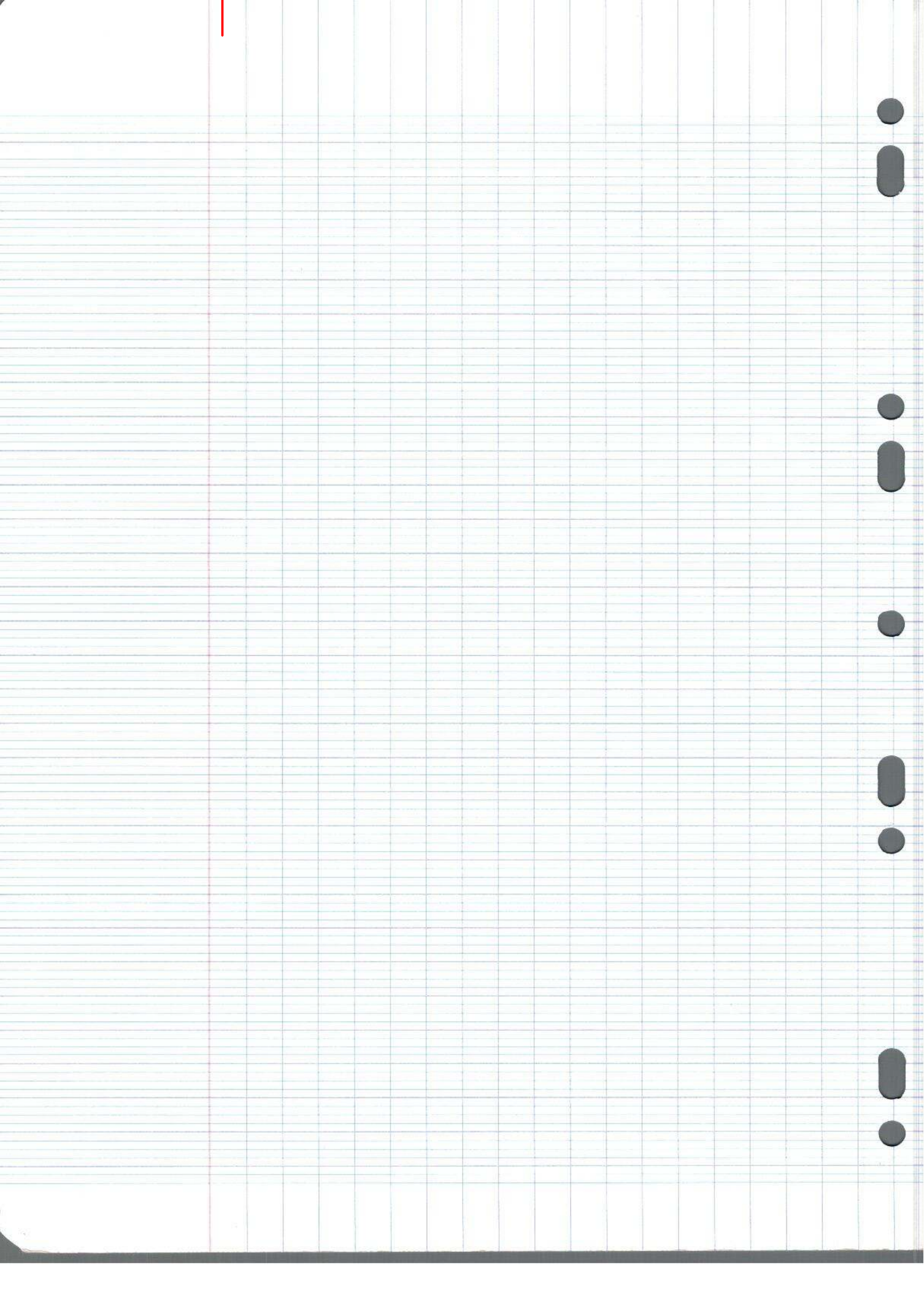
6) $f'(1) = -2$

$f'(-2) = 2$

$f'(3)$ est nul

7) $f'(x) = -\frac{1}{x^2}$

7/9



11560

$$\begin{aligned}
 1) \quad Z &= \frac{(2^5)^3 \times 2^{200}}{2^{10}} \\
 &= \frac{2^{15} \times 2^{200}}{2^{10}} \\
 &= \cancel{2^{15}} \times 2^{15-10} \times 2^{200} \\
 &= 2^5 \times 2^{200}
 \end{aligned}$$

1

$$Z = 2^{205}$$

$$2) \quad \det(\vec{u}; \vec{v}) = \begin{vmatrix} 5 & -4 \\ 3 & 2 \end{vmatrix} = 0$$

$$\begin{aligned}
 \det(\vec{u}; \vec{v}) &= 5 \times 2 - 3 \times (-4) = 0 \\
 &= 10 + 12 = 0
 \end{aligned}$$

0

$$\det(\vec{u}; \vec{v}) = 12$$

0

$$3) \quad u_3 = 3 \quad u_5 = 27$$

$$R = 12$$

$$4) \quad P_A(B) = \frac{1}{2} \times \frac{1}{4}$$

$$P_A(B) = 0,5 \times 0,25$$

$$P_A(B) = 0,125$$

0

0

$$5) \quad \sin\left(-\frac{5\pi}{6}\right) = -\frac{\sqrt{3}}{2}$$

1

1

$$6) \quad f'(1) = -2$$

$$f'(-2) = 2$$

1

$$f'(3) > 0$$

$\frac{5}{g}$

1

$$7) f(x) = \frac{1}{x}$$

$$f'(x) = -\frac{1}{x^2}$$

11570

Interrogation

1

1) $Z = x^{205}$

0,5

2) $\det(\vec{u}^p; \vec{v}^p) = -22$

1

3) la raison est $q = 3$

4,5

4)

9

5)

0 0 1

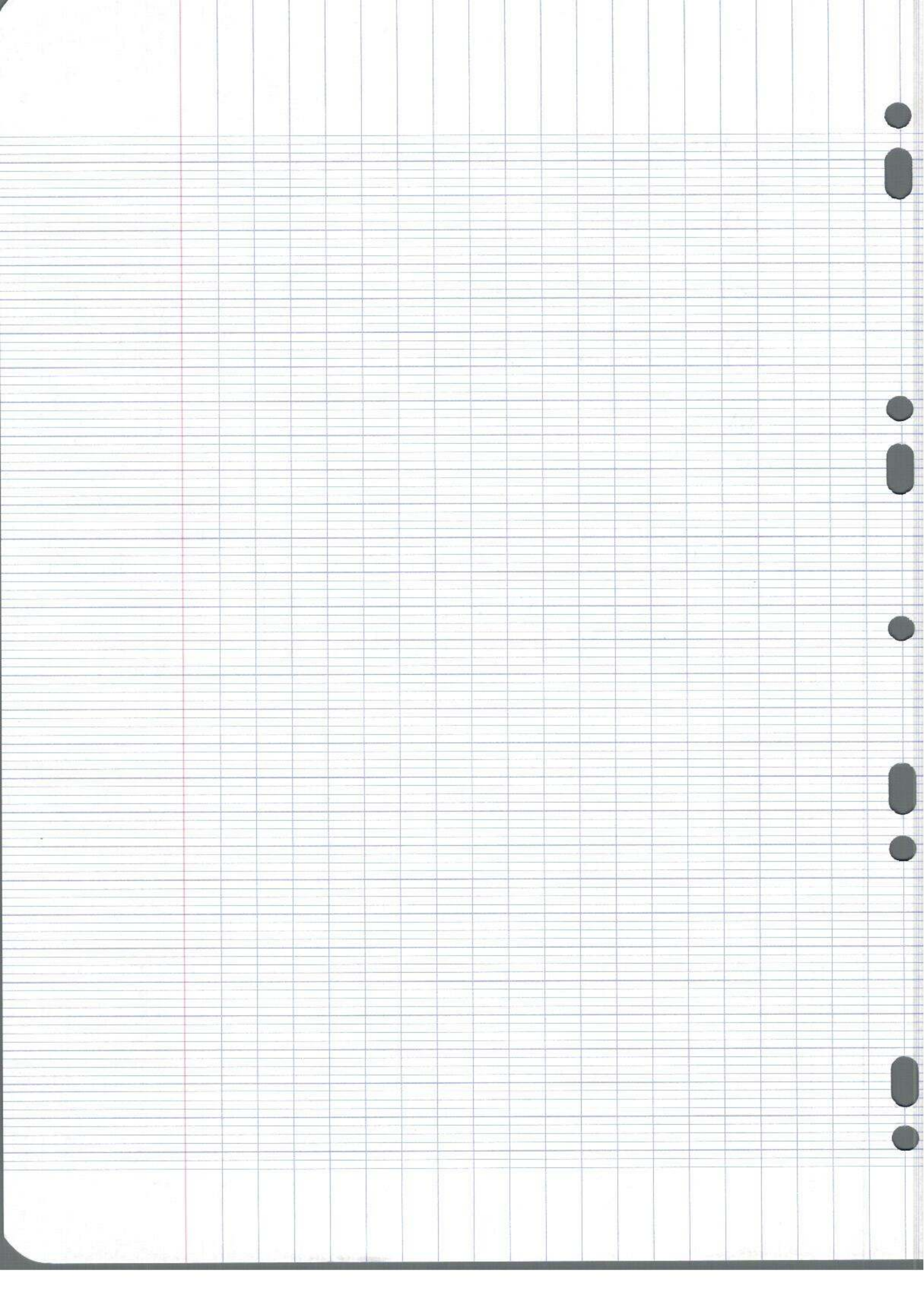
6) $f'(1) = -1$

$f'(-2) = 0$

signe de $f'(3)$: positif

1

7) $f'(x) = -\frac{1}{x^2}$



11590

1) $z = \dots \rightarrow 205$

2) $\det(\vec{u}, \vec{v})$ ou $\vec{v} \begin{pmatrix} -4 \\ 2 \end{pmatrix}$ et $\vec{u} \begin{pmatrix} 5 \\ 3 \end{pmatrix}$ ~~est~~ donne -2

3) Le numérateur est 3

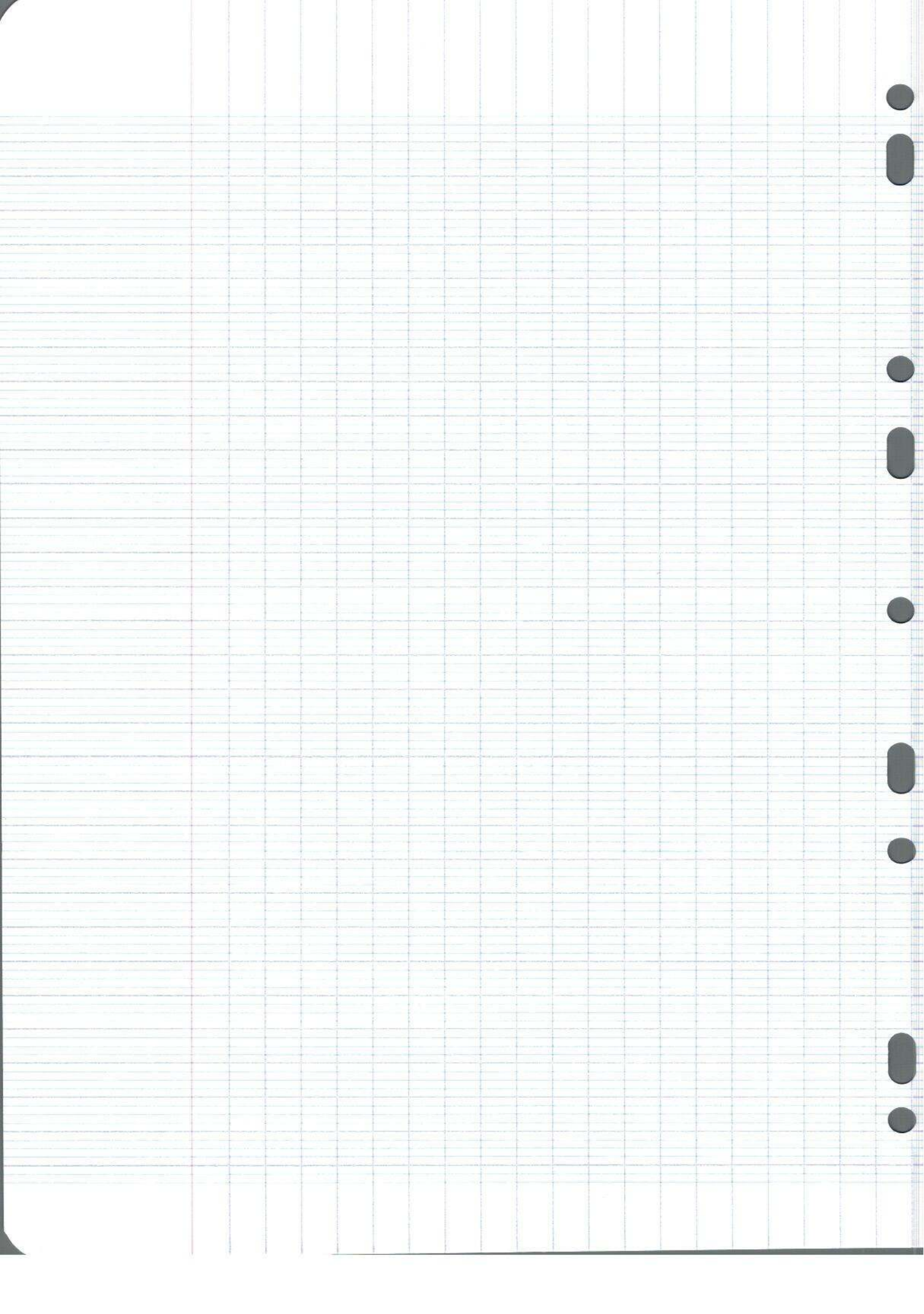
4) $\frac{1}{4}$

5) La valeur exacte de $\sin\left(-\frac{5\pi}{8}\right)$ est $\left(-\frac{2\pi}{3}\right)$

6) $f'(1) = -2$

$f'(2) = 2$

Le signe de $f'(3)$ est ~~positif~~ positif



11/02/2022

11630

1

1) $Z = x^{205}$

0

2) $\det(\vec{u}; \vec{v}) = 2$

1

3) $q = 3$

1

4) $P_A(B) = \frac{1}{2}$

1

5) $\sin\left(-\frac{5\pi}{6}\right) = -\frac{1}{2}$

1

6) $f'(1) = -2$

1

$f'(-2) = 2$

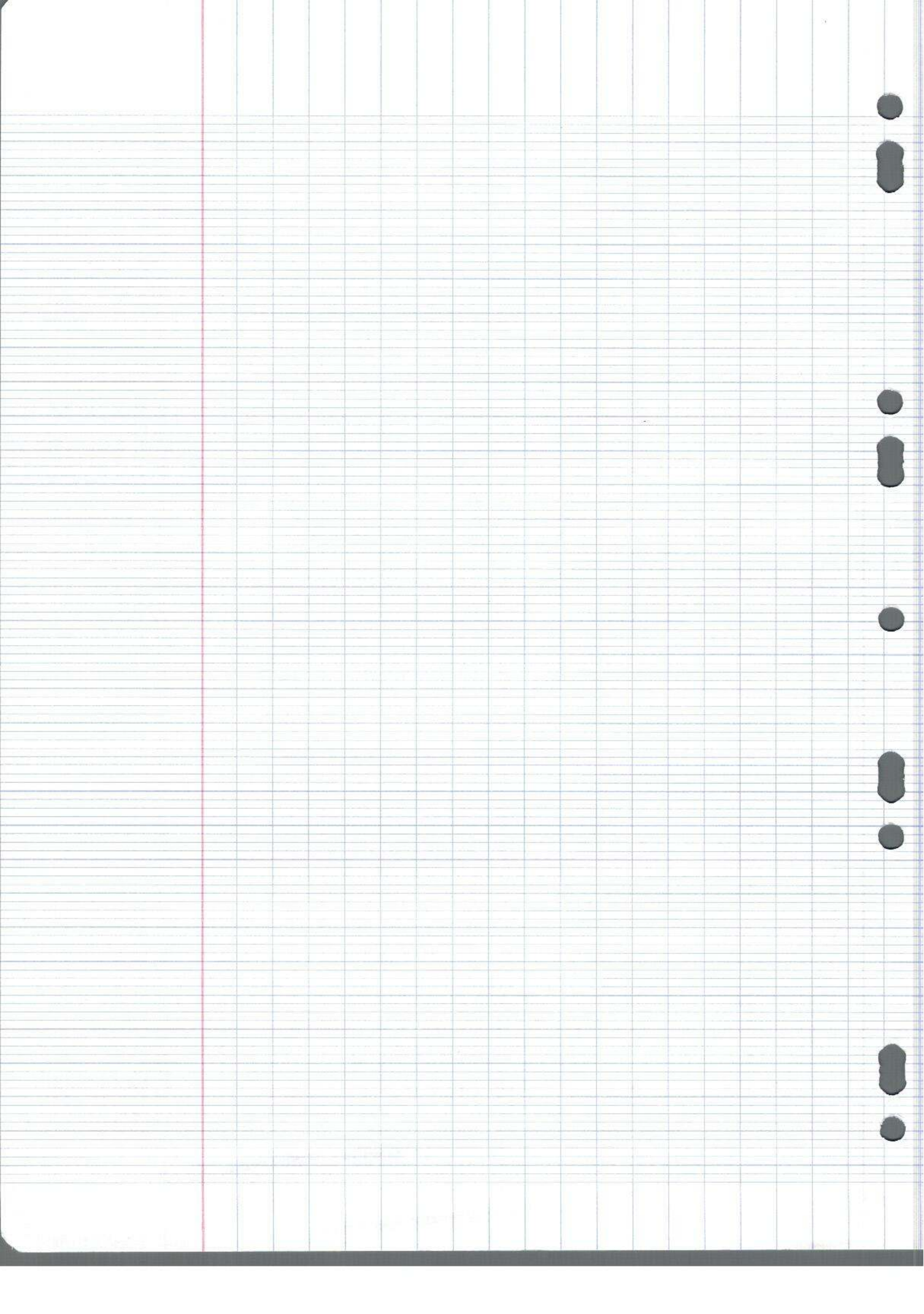
1

$f'(3) > 0$

1

7) $-\frac{1}{x^2}$

8/9



17640

1 1. $z = x^{205}$

1 2. $\det(\vec{u}; \vec{v})$ vaut ? 22

1 3. $q = 3$

0 4. $P_A(B) = \frac{2}{3}$

0 5. $\sin\left(\frac{-5\pi}{6}\right) = -\frac{\sqrt{2}}{2}$

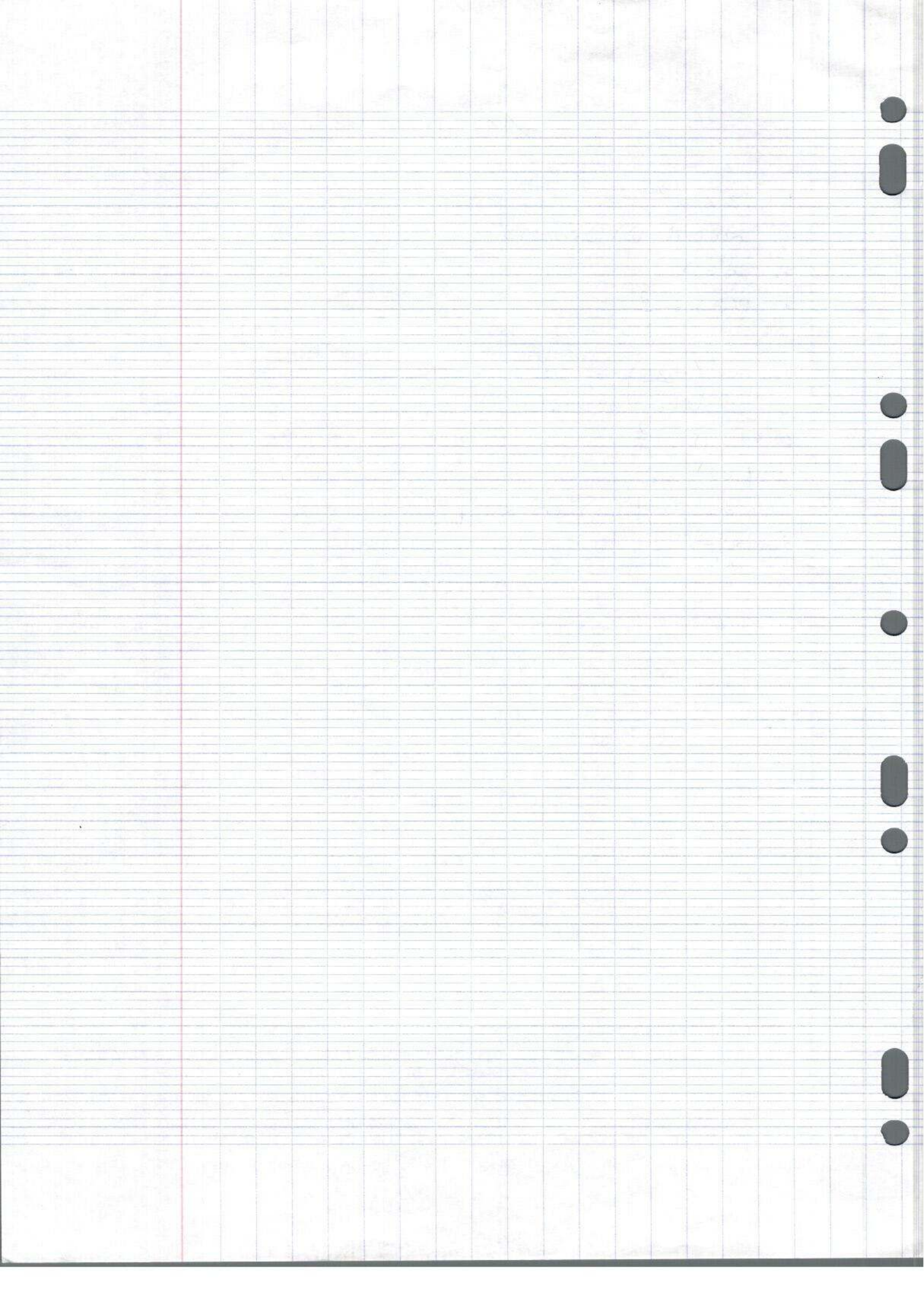
1 6. $f'(1) = -2$

1 $f'(-2) = 2$

1 ligne de $f'(3)$ est positif

1 7. $-\frac{1}{x^2}$

$\frac{7}{9}$



11670

1) x^{205}

2) -2

3) la racine est de 3

4) $\frac{1}{2}$

5) $-\frac{\sqrt{2}}{2}$

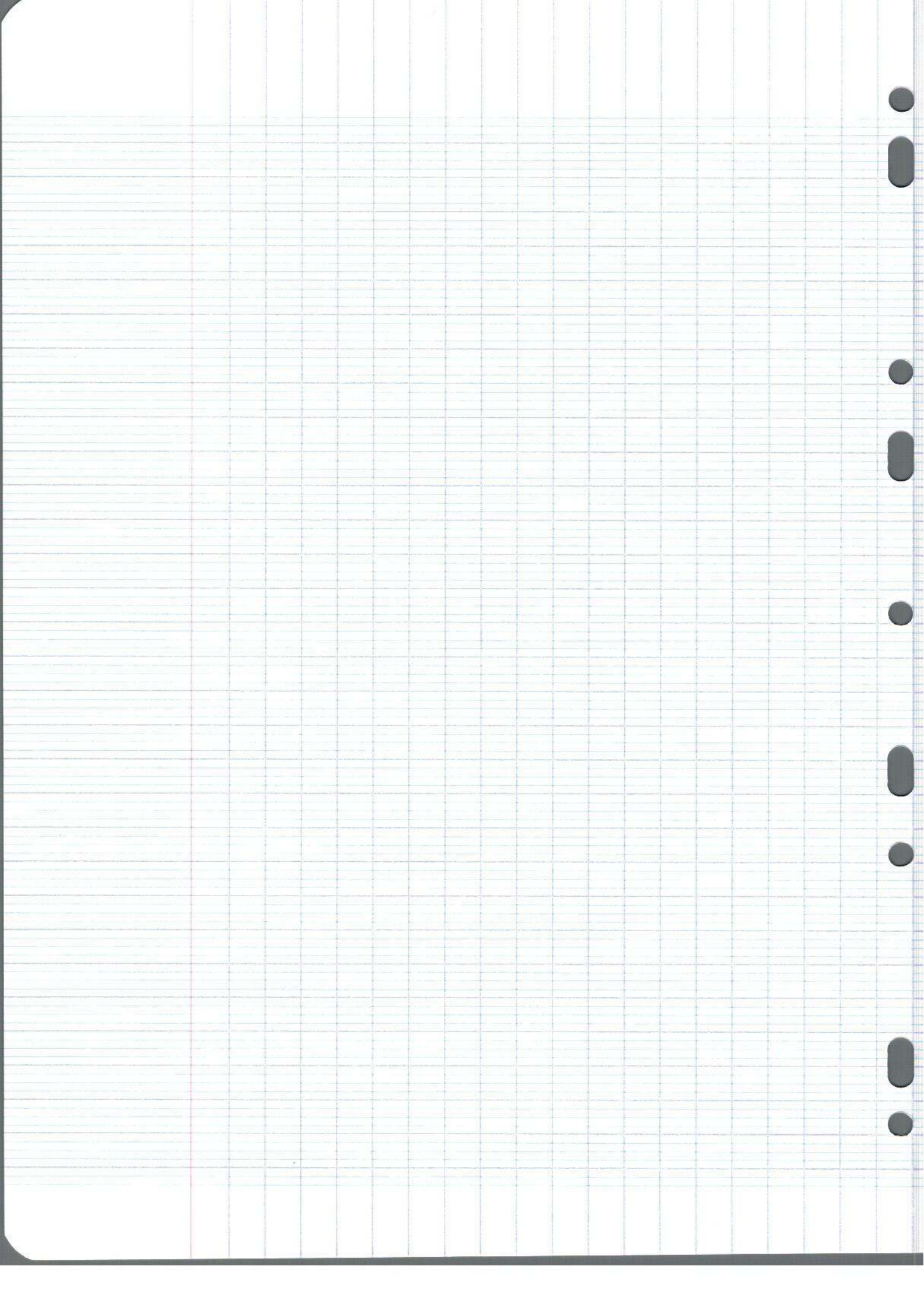
6) $f'(1) = -2$

$f'(-2) = 2$

~~Le signe de $f'(3)$ est neutre, il n'a pas de signe, $f'(3) = 0$~~

Le signe est positif de $f'(3)$

$\frac{6}{9}$



11/02/2021

116 90

1) x^{205}

2) $\det(\vec{u}, \vec{v}) = +22$

3) $q=9$

4) $\frac{1}{2}$

5) $-\frac{1}{2}$

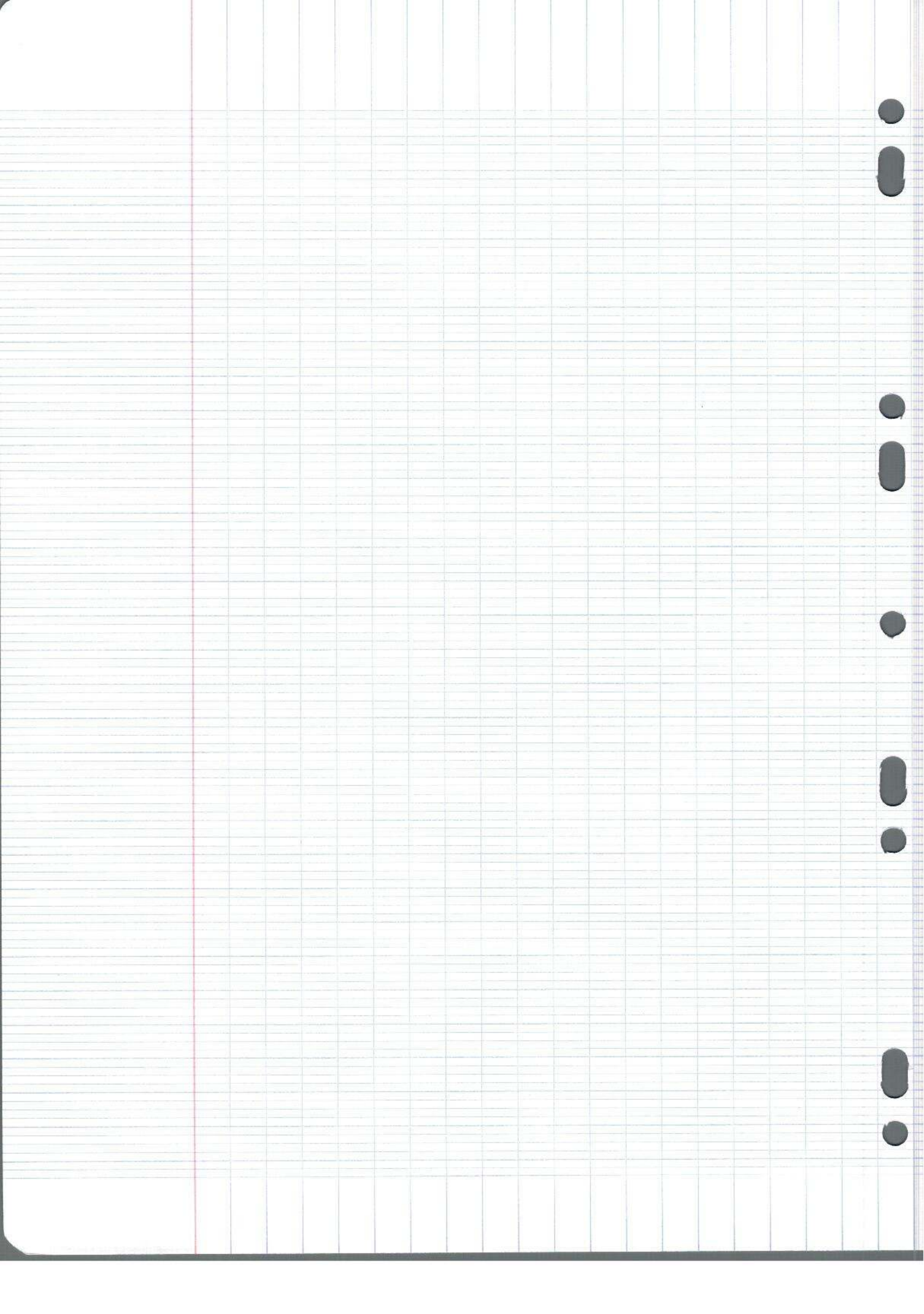
6) $f'(1) = -2$

$f'(2) = 2$

$f'(3)$ est positif

7) $-\frac{1}{x^2}$

8
9



11710

Feuille Wims

1 1 ~~2~~ $x = 0.5$

1 2 $\det(\vec{u}; \vec{v}) = 22$

1 3 $n = \del{2} 3$

0 4 $P_A(B) = -\frac{1}{6}$

0 5 $\sin\left(-\frac{5\pi}{6}\right) =$

1 2 1
 $\frac{6}{9}$

6 $f'(1) = -2$ $f'(-2) = \del{2} 2$

$f'(3) = \del{2}$ Positiv

7 $f'(4) = -\frac{1}{x^6}$

Brownian

delt $(u^{\rightarrow}; v^{\rightarrow})$

$$\begin{vmatrix} -4 & 5 \\ 2 & 3 \end{vmatrix}$$

$$z = \cancel{2} 3$$

11730

11/02/2022

1) $z = x^{205}$

2) $\det(\vec{u}; \vec{v}) = 22$

3) la racine est de 3

4) $P_A(B) = \frac{1}{8}$

5) $\sin\left(-\sqrt{\frac{2}{3}}\right)$

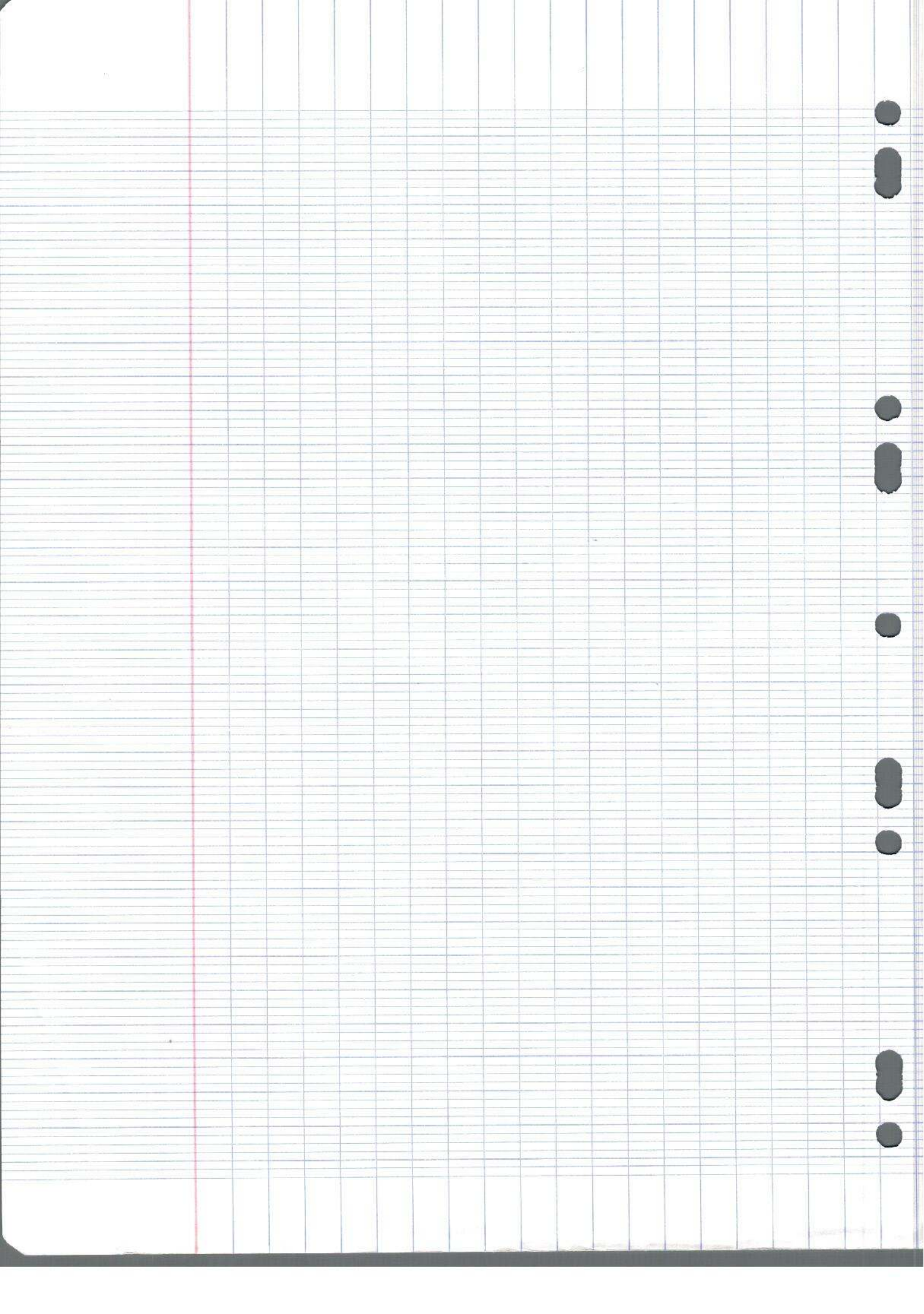
6) $f'(1) = -2$

$f'(2) = 2$

 $f'(3)$ est négatif

7) ~~$-\frac{1}{2x}$~~

5
91
1
0



11775

1 $1 - x^{205}$

1 2. $\det(\vec{v}; \vec{w}) = 22$

0 4. $P_A(B) = \frac{1}{8}$

0 5. $\sin\left(-\frac{5\pi}{6}\right) = \cancel{-\frac{1}{2}} \quad \cancel{1/2} \quad -\frac{\sqrt{3}}{2}$

1 6. $f'(1) = -2$

1 $f'(-2) = 2$

7
1/9 1 $f'(3)$ est positif

1 7. $f(x) = \frac{1}{x}$ donc $f'(x) = -\frac{1}{x^2}$

1 8. La raison de (U_n) est $n = 3$

$$\cancel{x^{18}} \times^{15} \quad x^{275} \quad x^{205}$$

$$\det(\vec{v}, \vec{w}) = \begin{vmatrix} 5 & -4 \\ 3 & 2 \end{vmatrix}$$

$$= 10 + \cancel{12}$$

$$= \cancel{22} \quad 22$$

3

... ~~8~~ ~~4~~ .

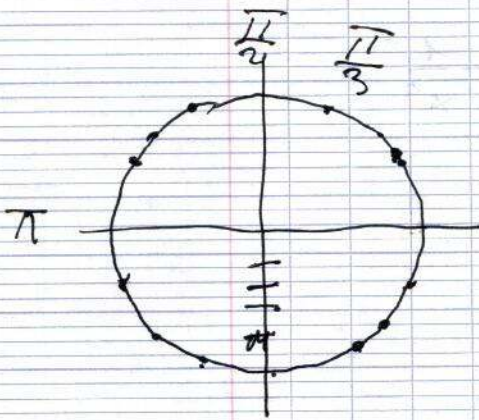
$$3x =$$

$$\frac{1}{5} \times \frac{9}{4}$$

$\frac{2}{10}$

1

$$\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$$



$$3 \times a = b$$

$$b \times a = 27$$

$$\frac{3}{1} \times \frac{27}{b} = b$$

$$\frac{81}{b} = b$$

$$\sqrt{81} = b^2$$

$$9 = b$$

11 785

Vendredi 28 janvier 2022

1. $Z = x^{-11}$

2. $\det(\vec{u}; \vec{v}) = 7$

3. $u_3 = -8$

4. $P_A(B) = \frac{3}{4}$

6. $f'(1) = 2$

$f'(-2) = -2$

 $f(2)$ est positif

7. 1 est une racine

5. $\sin(242\pi) = 0$

11 785

Vendredi 11 février 2022

1. $Z = x^{205}$

2. $\det(\vec{u}; \vec{v}) = 22$

3. $q = 3$

4. $P_A(B) = \frac{1}{2}$

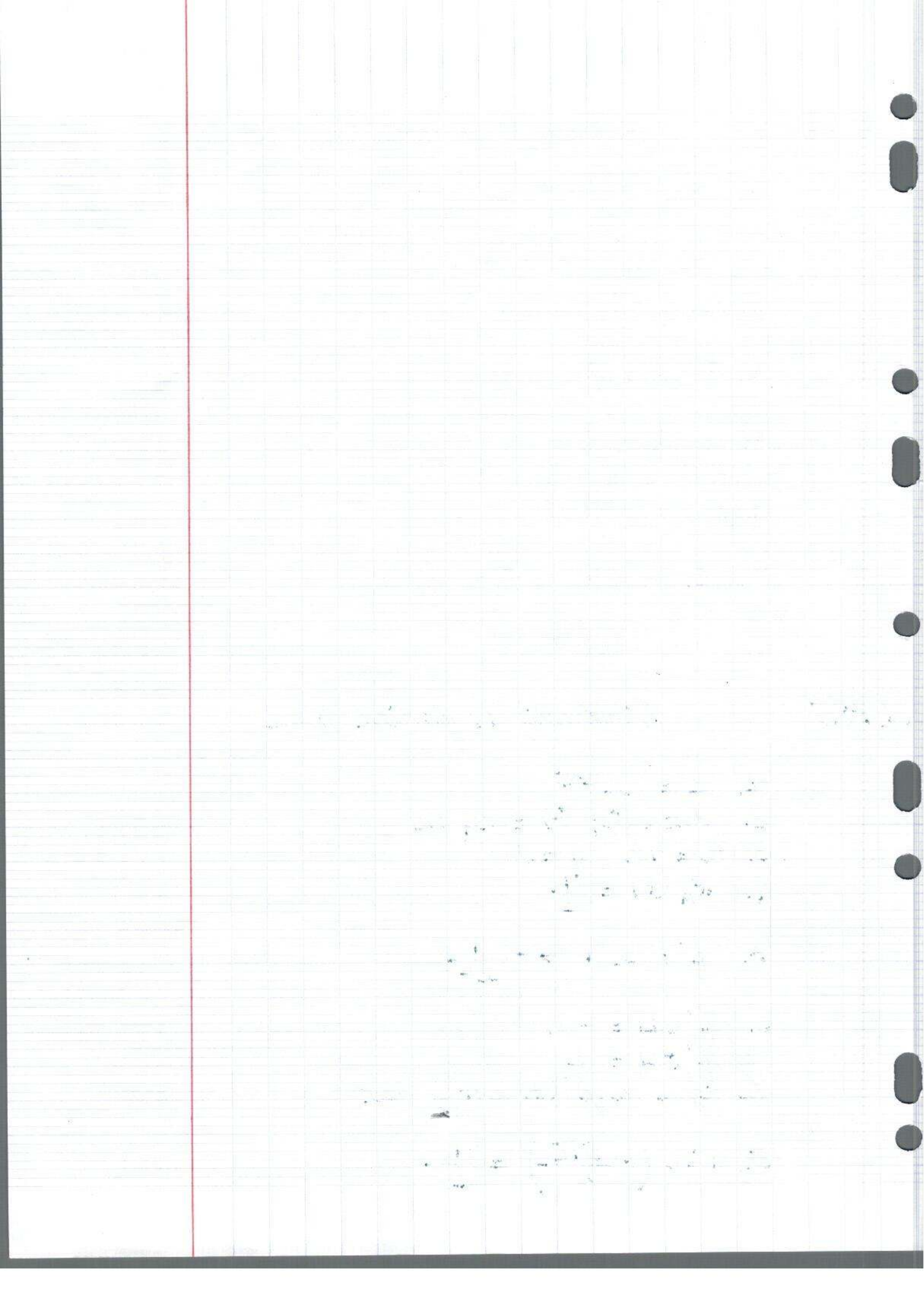
7. $f': x \mapsto -\frac{1}{x^2}$

6. $f'(1) = -2$

$f'(-2) = 2$

 $f'(3)$ est nul

5. $\sin\left(-\frac{5\pi}{6}\right) = \frac{1}{2}$



11/02/22

11790

Interno maths

1) x^{205}

2) ~~x^{22}~~ 22

3) 3

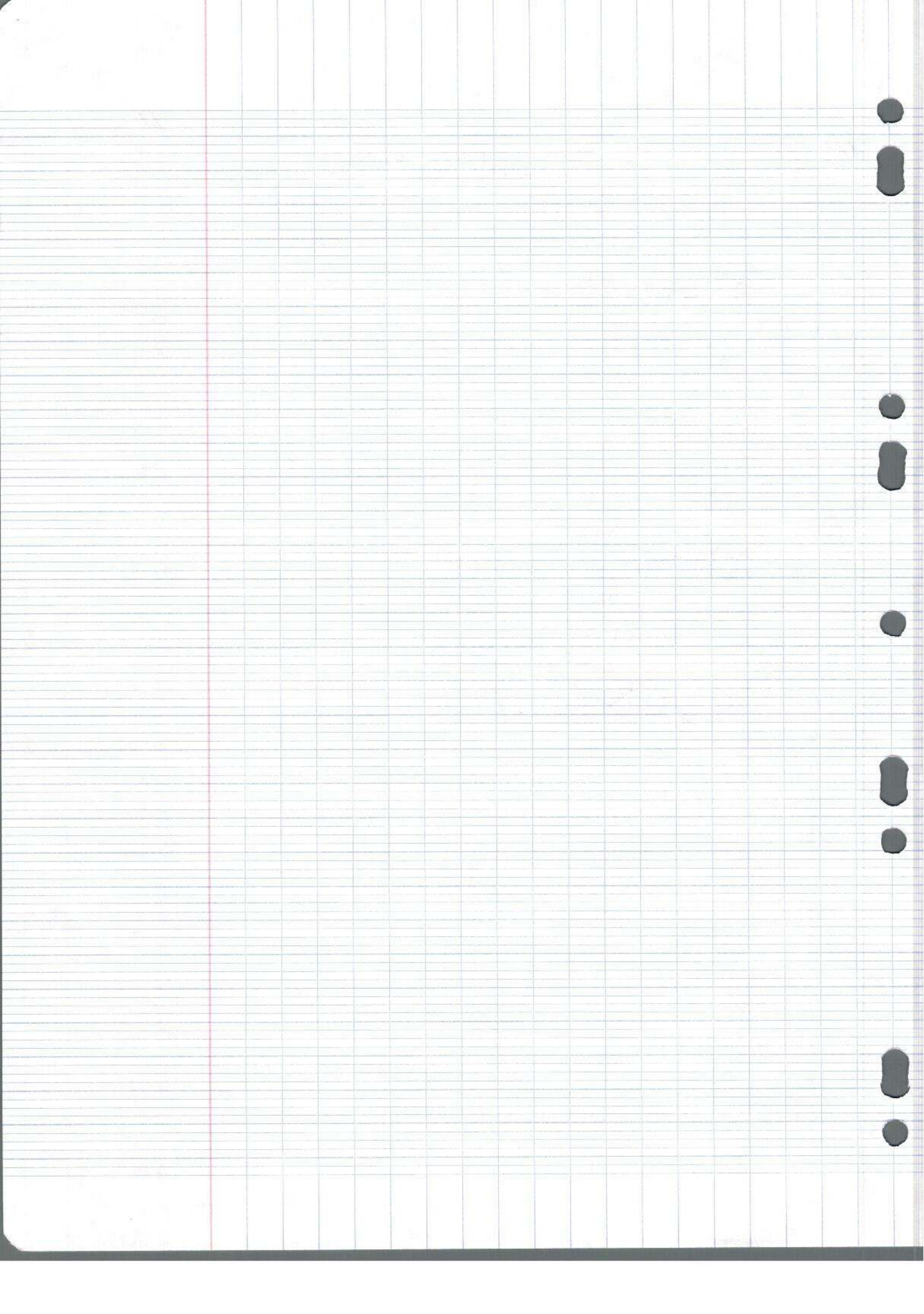
4) $\frac{1}{2}$

5) 0

6
/ 9

6) $f'(1) = -2$
 $f'(-2) = 2$
 $f'(3) = +$

7) ~~$\frac{1}{2\sqrt{x}}$~~ ~~$\frac{1}{2x}$~~ $f'(x) = \frac{1}{2x}$



$$11800 \cdot Z = x^{205}$$

$$1 \quad 2- \det(\vec{u}, \vec{v}) = 22$$

$$1 \quad 3 \quad \pi = 3$$

$$1 \quad 4- \rho_A(B) = \frac{1}{2}$$

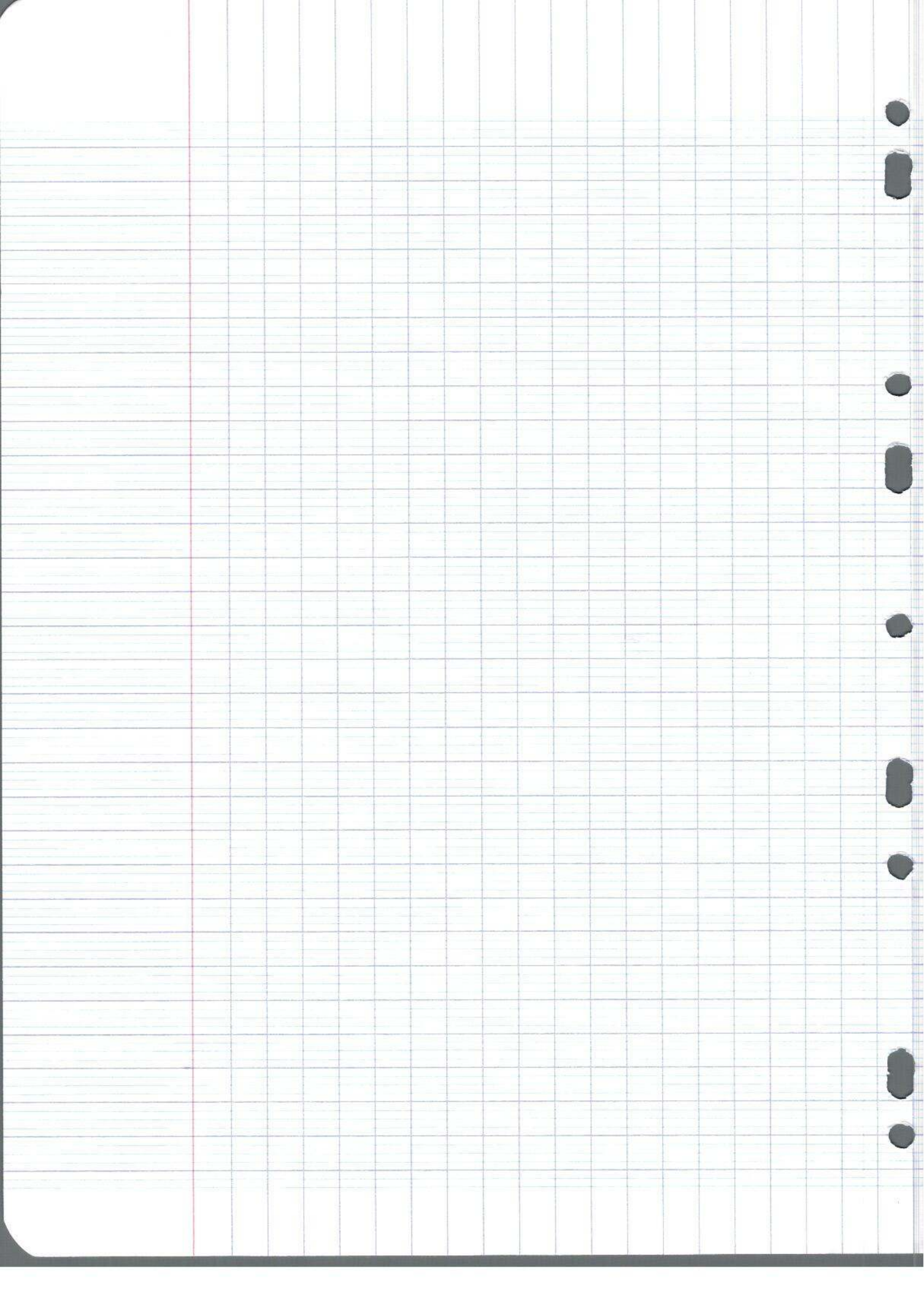
$$0 \quad 5 \quad \sin\left|-\frac{5\pi}{6}\right| = -\frac{\pi}{2}$$

$$1 \quad 6- f(2) = -2$$

$$f(1-2) = 2$$

$$f(3) > 0$$

$$0 \quad 7- -\frac{1}{\sqrt{3}}$$



11820:
$$\frac{(5)^{5-3} \times 200}{2^{15}} = \frac{15 \times 200}{10} = 205$$

$$= 2005.$$

1

2)
$$\begin{pmatrix} 4 & 5 & -4 \\ 2 & 3 & 2 \end{pmatrix}$$

$$5 \times 2 - -4 \times 3$$

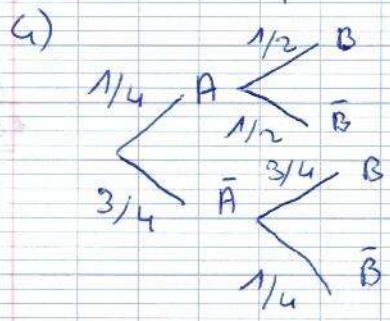
$$10 + 12$$

$$\det = 26.$$

0

1

3) ~~$M_n = M_0 q^n$~~ la raison est ~~3~~ 3
 $M_n = M_0 q^n$ $M_n \times q = M_{n+1}$



$P_A(B) = 1/2.$

$3^3 \times 3 = 27$
 $3^4 \times 3 = 81$
 3^5

1

6/5

0

5) $\frac{\sqrt{1}}{2}$

0

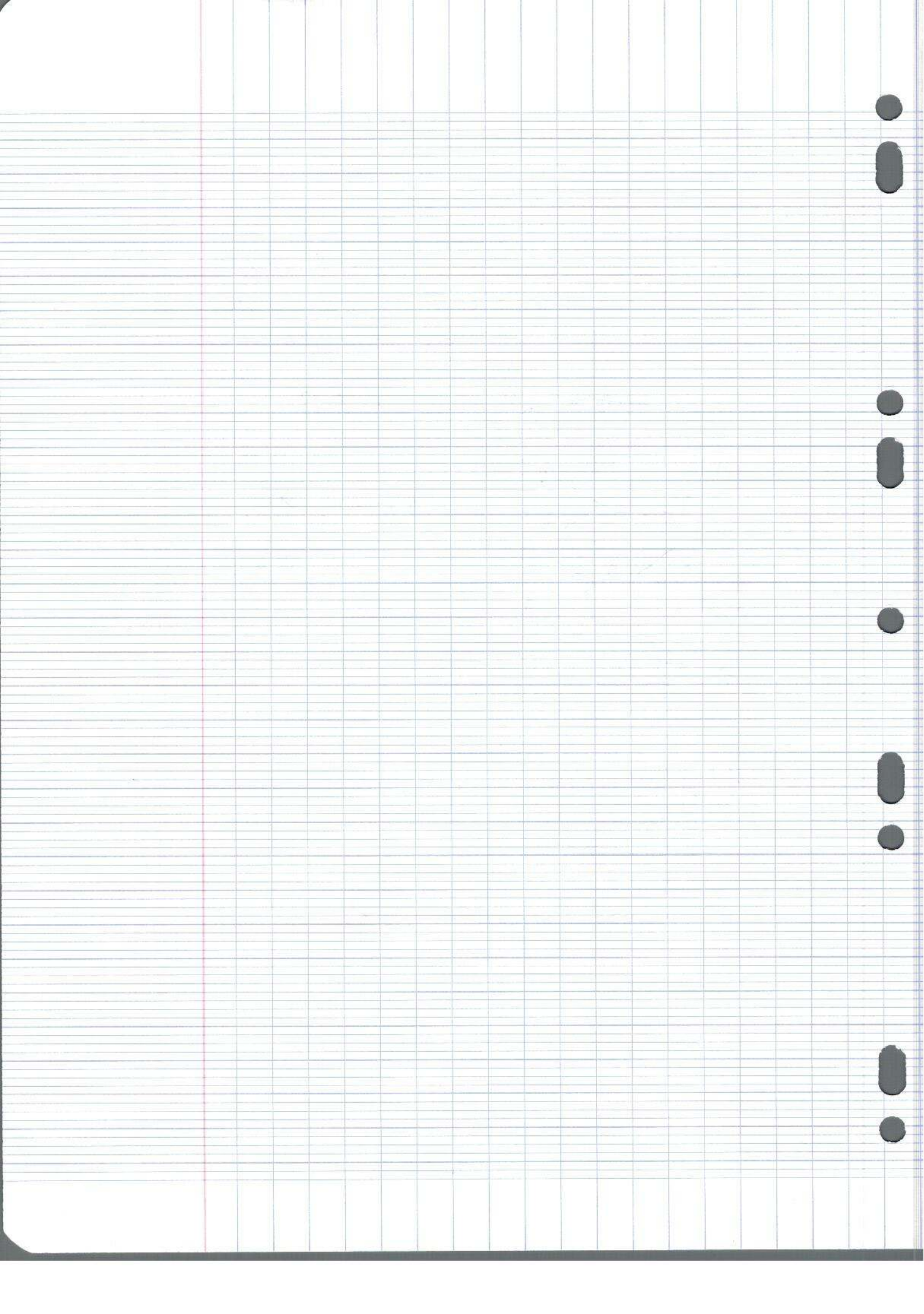
1

6) $f'(1) = 1/2$
 $f'(2) = 2/1$
 $f'(3)$ positif.

1

1

7) $x \mapsto \frac{1}{x}$ alors $-\frac{1}{x^2}$



11860

1) ~~1) x^{205}~~ $\rightarrow \frac{(x^5)^3 \times x^{200}}{x^{10}} = x^{205}$

1) 2) $\det(\vec{u}, \vec{v}) = 22$

1) 3) $\text{raison} = 3$

1) 4) $P_A(B) = \frac{1}{2}$

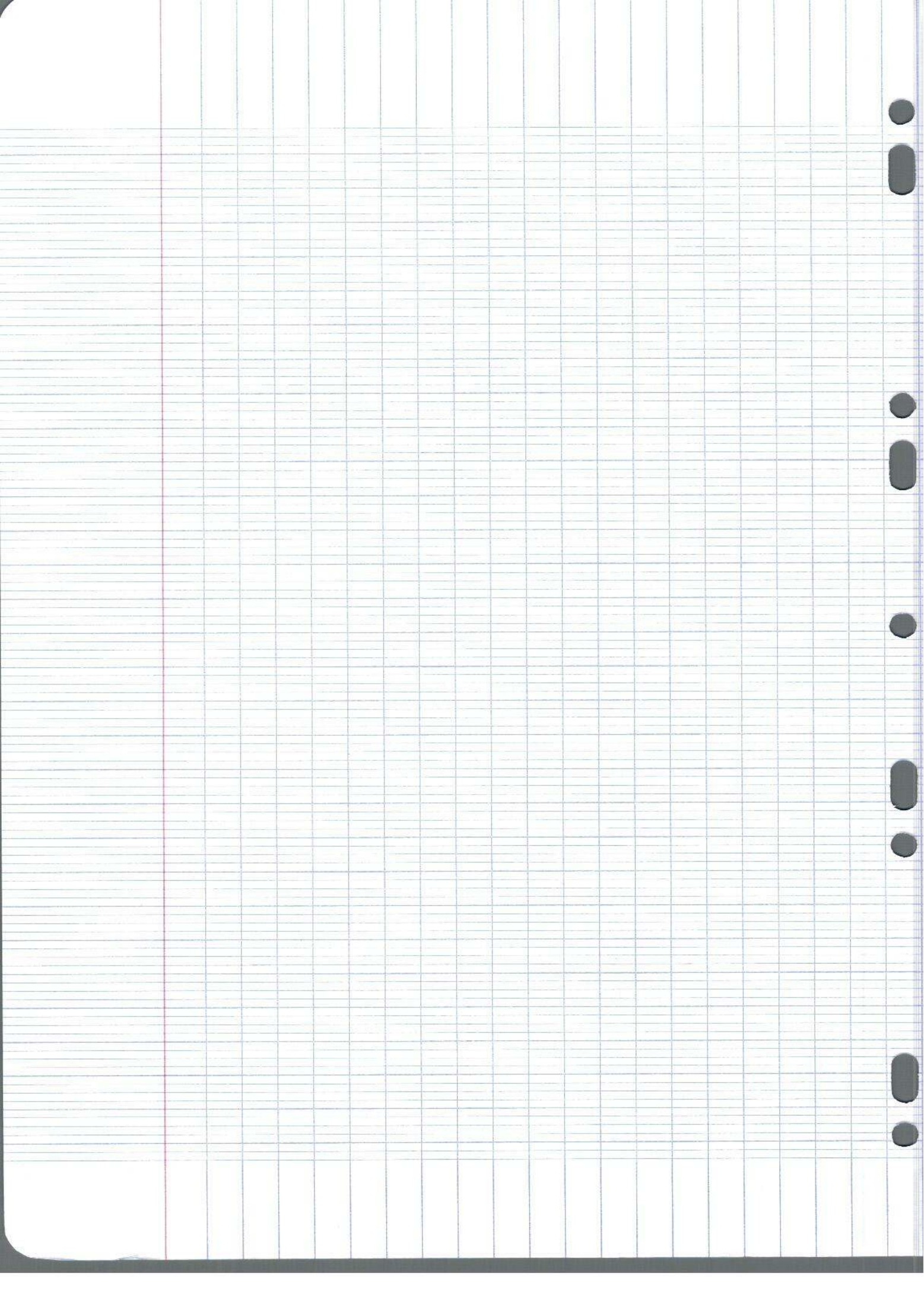
1) 5) $-\frac{1}{2}$

1) 6) $f'(1) = -2$

1) $f'(-2) = 2$

1) $f'(3)$ est positif

8) 7) ~~$-\frac{1}{2x}$~~



1) x^{205}

2) $\det(\vec{u}, \vec{v}) = 22$

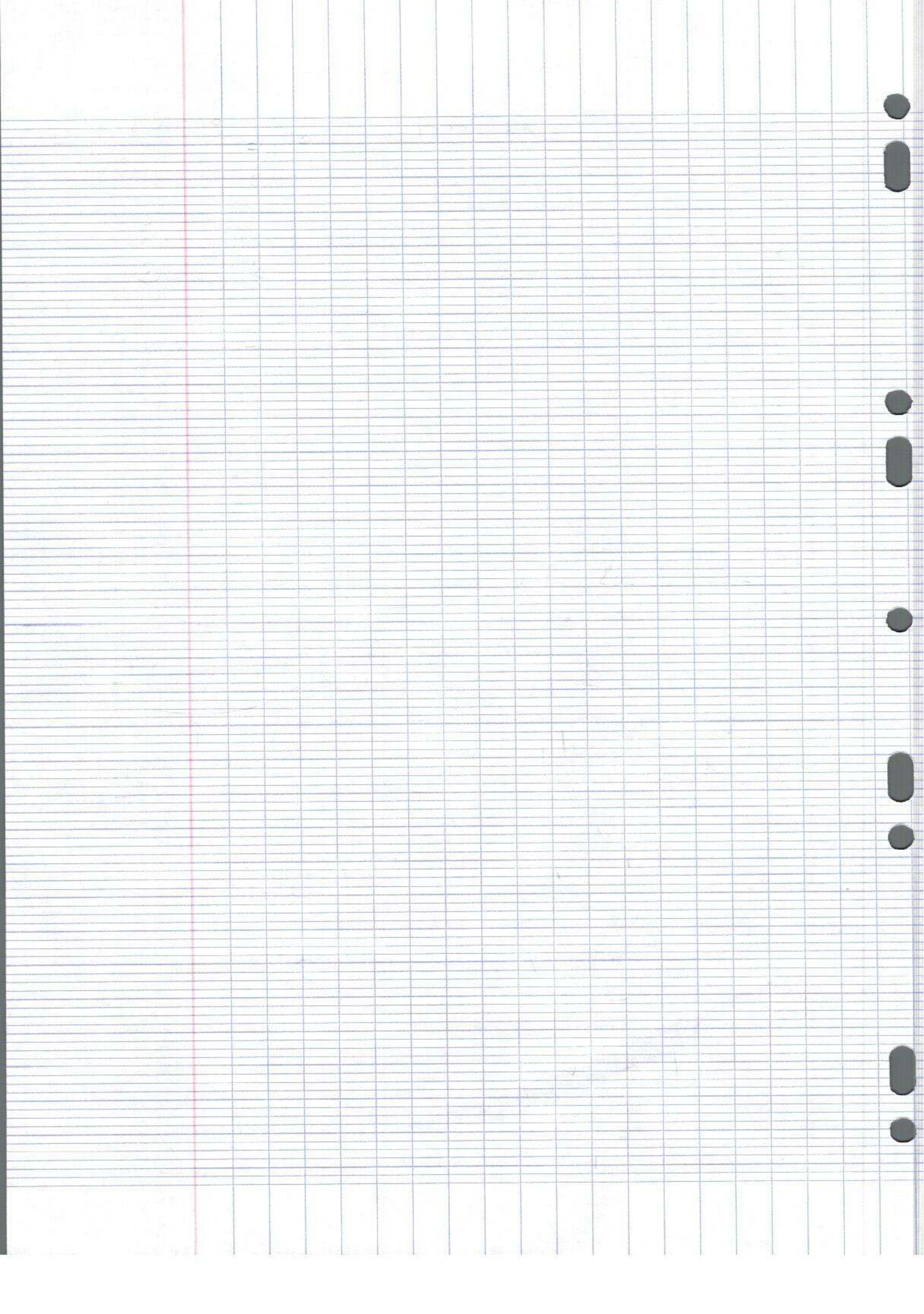
3) $x = 12$

4) $\frac{1}{2}$

5) $-\frac{\sqrt{3}}{2}$

6) $f'(1) = -\frac{1}{2}$, $f'(-2) = 2$, $f'(3) > 0$

7) $-\frac{1}{x^2}$



1. $Z = x^{2015}$

2. $\det(\vec{u}; \vec{v}) = 22$

3. ~~$n = 3$~~ $n = 3$

4. $P_A(B) = \frac{1}{8}$

5. $-\frac{2}{\sqrt{3}}$

6. $f'(1) = -2$

$f'(-2) = 2$

~~$f'(3) = 0$~~

$f'(3) > 0$

7. $f(x) = -\frac{1}{x^2}$

