
MATHEMATIQUES
Interrogation n°8

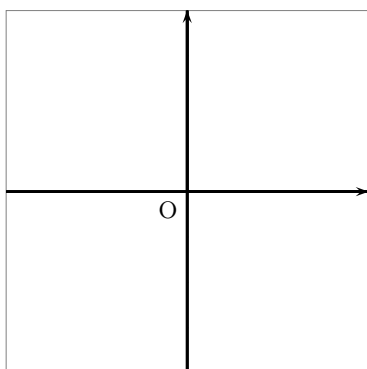
Nom :

Prénom :

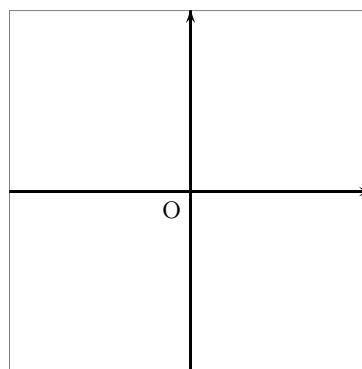
Exercice 1

En utilisant les repères, résoudre les inéquations suivantes (on notera \mathcal{S} les ensembles solutions) :

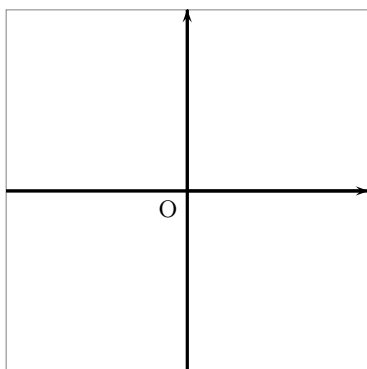
$$x^2 \geq 9$$



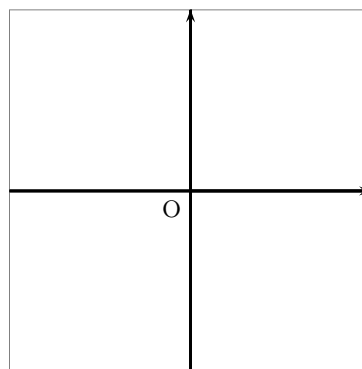
$$\sqrt{x} \leq 9$$



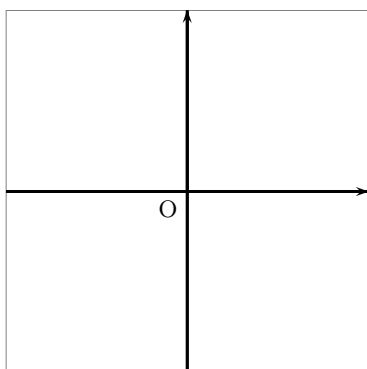
$$\frac{1}{x} \leq -2$$



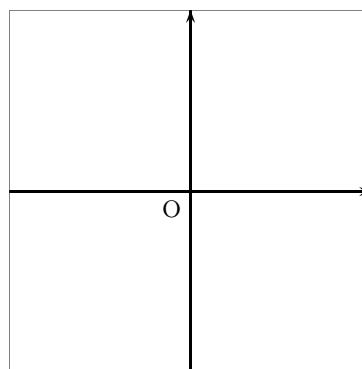
$$x^2 < 3$$



$$\frac{1}{x} \geq 5$$



$$\sqrt{x} > 2$$



Exercice 2

Résoudre algébriquement chacune des équations suivantes :

1. $\frac{1}{x} - 9 = 0$

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2. $4 - x^2 = 0$

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3. $\sqrt{x} - 6 = 0$

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4. $x^2 + 1 = 0$

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