

## Interrogation 12

### Calcul dans $\mathbb{R}$ et matriciel

Nom/Prénom :

Note :

1. (a) Donner une condition suffisante à l'existence de la borne supérieure, inférieure.

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- (b) Traduire le fait que  $\mathbb{Q}$  ou  $\mathbb{R} \setminus \mathbb{Q}$  est dense dans  $\mathbb{R}$ .

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- (c) Enoncer la croissance comparée du logarithme en  $+\infty$ /en 0, de l'exponentielle en  $-\infty$ /en  $+\infty$ .

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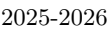
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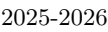
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