

DS 2

Devoir sur table

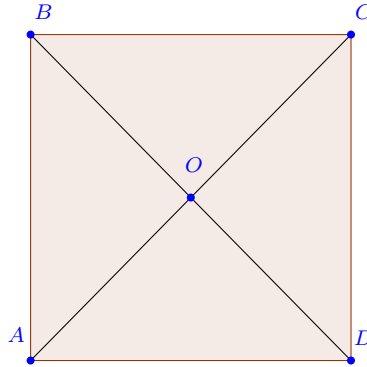
(1 heure)

Nom :

Prénom :

Exercice 1 : (4 points)

Sachant que $ABCD$ est un carré, de centre O , donner une mesure en radians de angles orientés suivants :



(a) $(\overrightarrow{CB}, \overrightarrow{CA})$

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(b) $(\overrightarrow{BO}, \overrightarrow{CA})$

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(c) $(\overrightarrow{OC}, \overrightarrow{BA})$

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(d) $(\overrightarrow{DB}, \overrightarrow{AD})$

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Exercice 2 : (8 points)

Déterminer une mesure des angles suivants en précisant la méthode de calcul.

(a) $(\overrightarrow{OA}, \overrightarrow{OB})$

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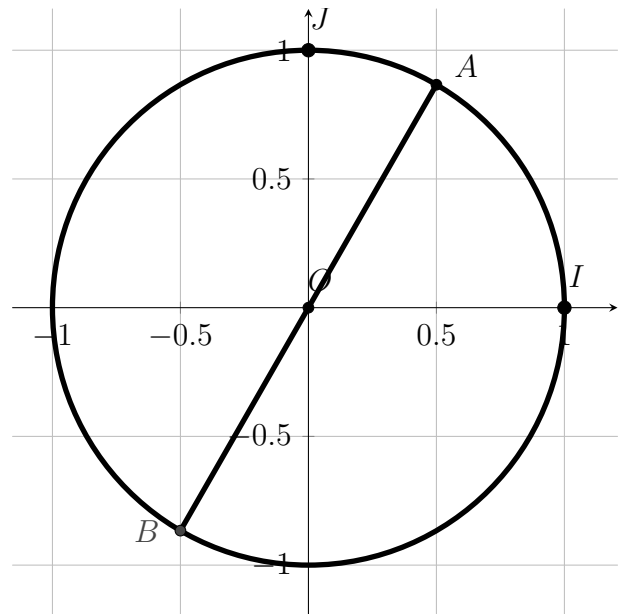
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(b) $(\overrightarrow{OA}, \overrightarrow{OB})$

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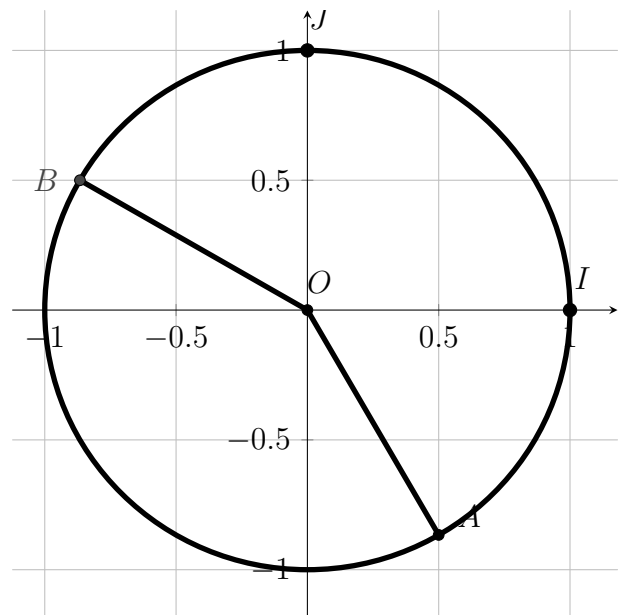
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(c) $(\vec{OA}, \vec{OB})$

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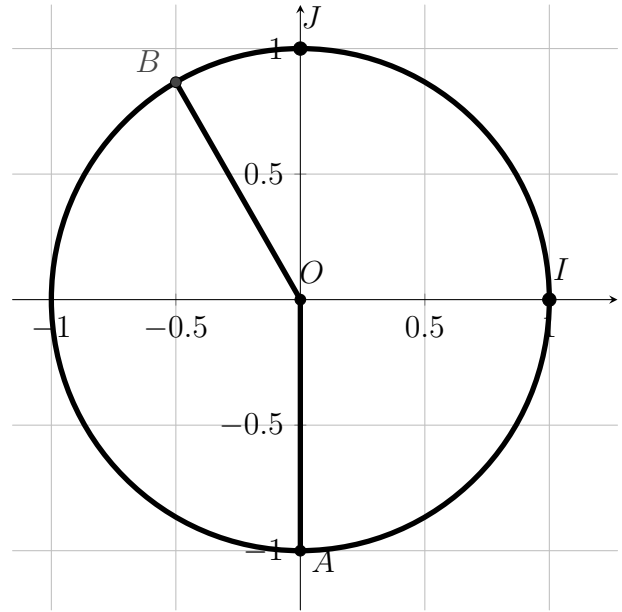
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(d) $(\vec{OA}, \vec{OB})$

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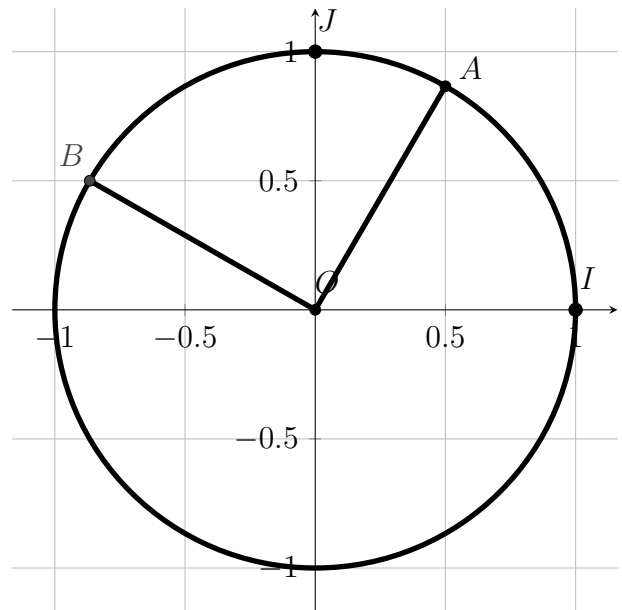
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Exercice 3 : (8 points)

Déterminer la mesure principale des angles suivants, puis représenter le point correspondant sur le cercle trigonométrique :

(a) $\frac{74\pi}{3} =$

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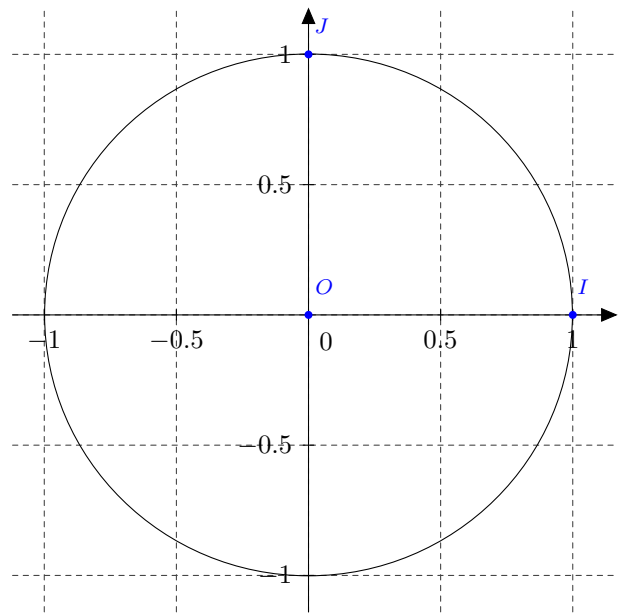
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(b) $-\frac{51\pi}{4} =$

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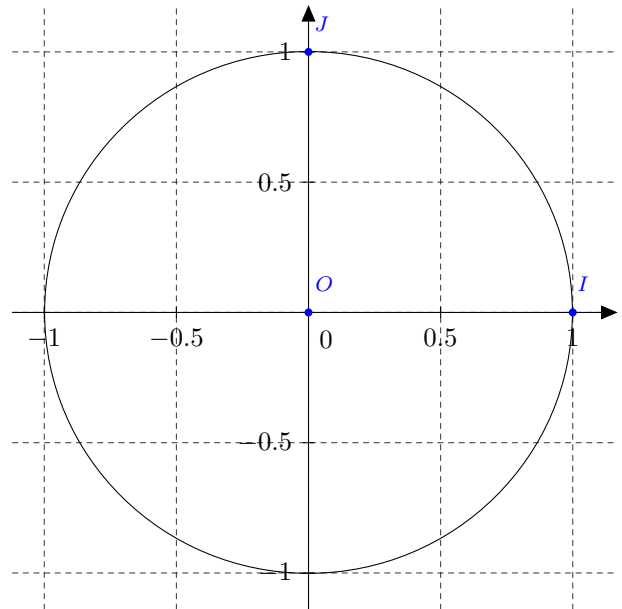
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(c) $\frac{35\pi}{2} =$

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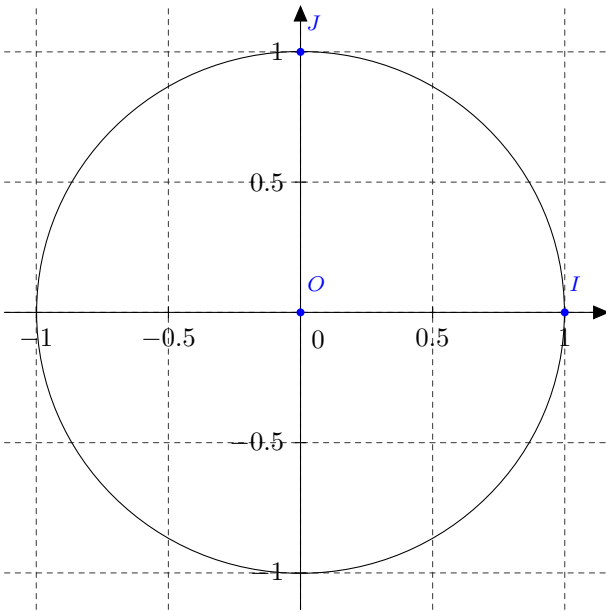
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(d) $\frac{2011\pi}{6} =$

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