

Trigonométrie 3

JL G.

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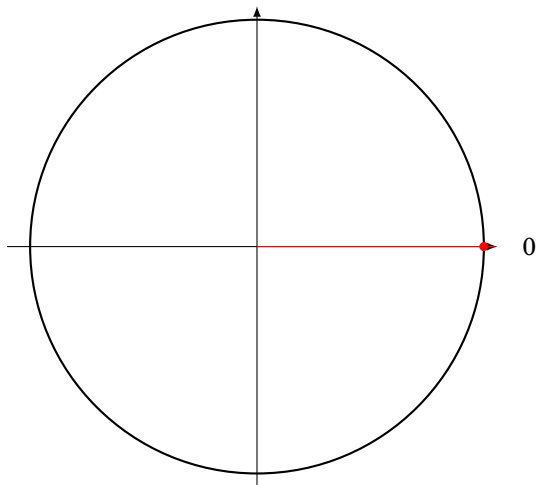
30 avril 2020

Se repérer sur le cercle : savoir placer le point image d'une valeur qui dépasse 2π .

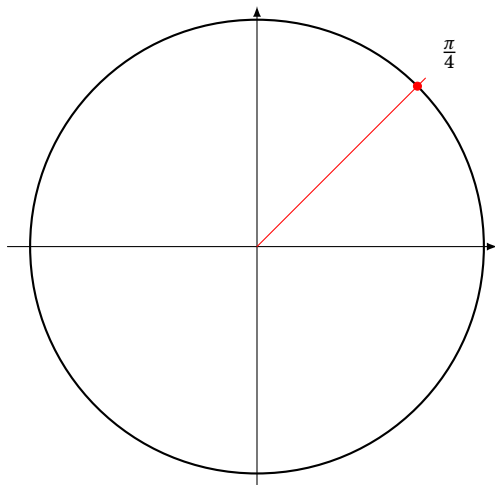
La méthode la plus simple ne nécessite aucun calcul. On tourne en comptant.

Exemple 1 : Placer le point image de $\frac{9\pi}{4}$.

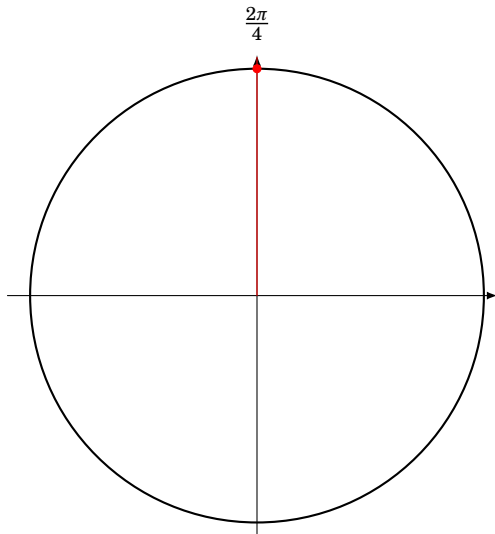
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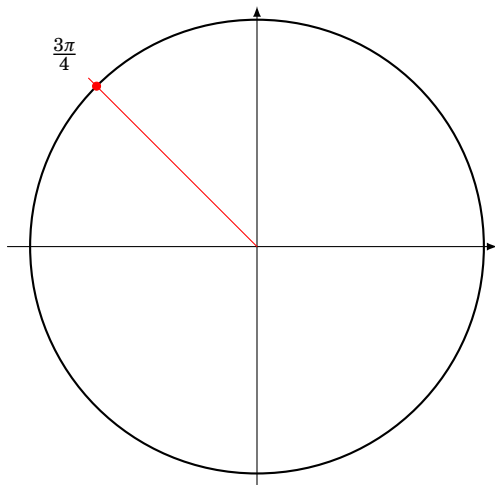
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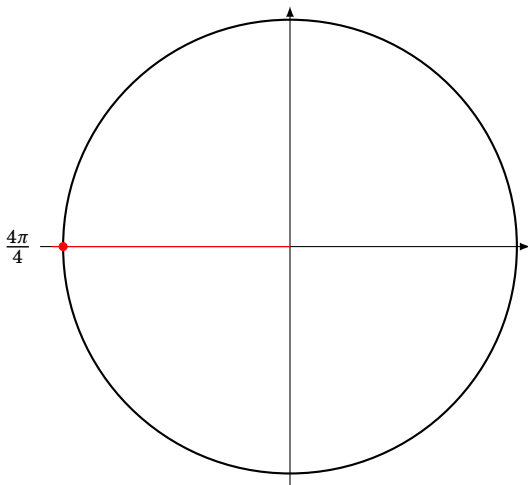
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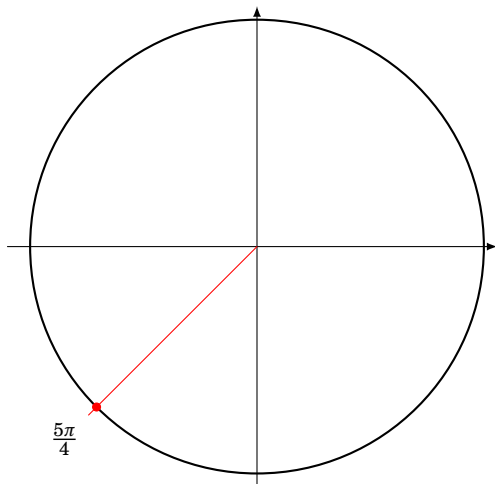
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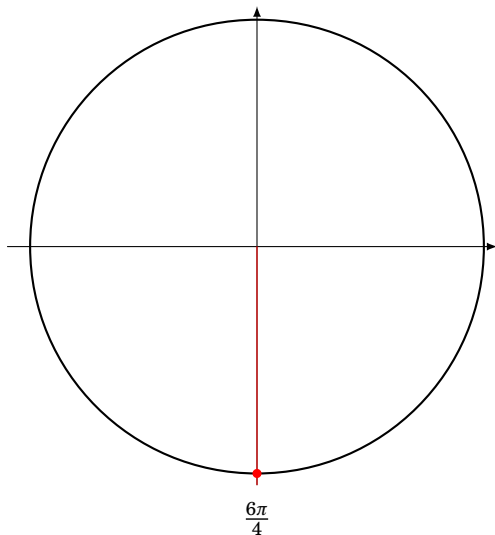
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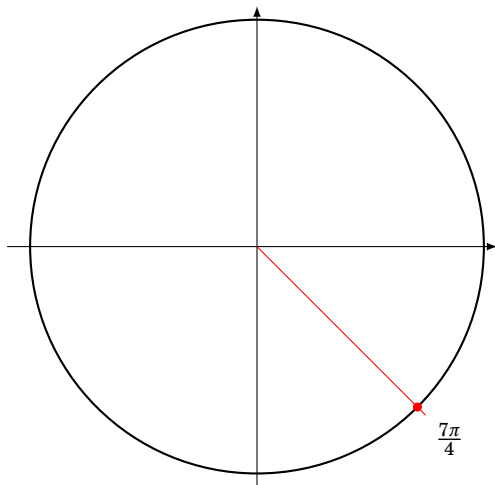
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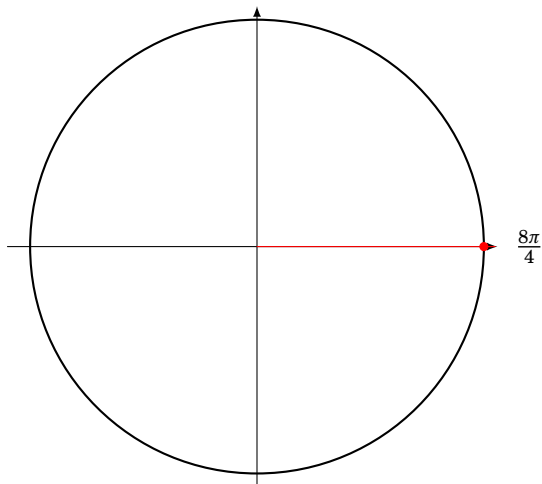
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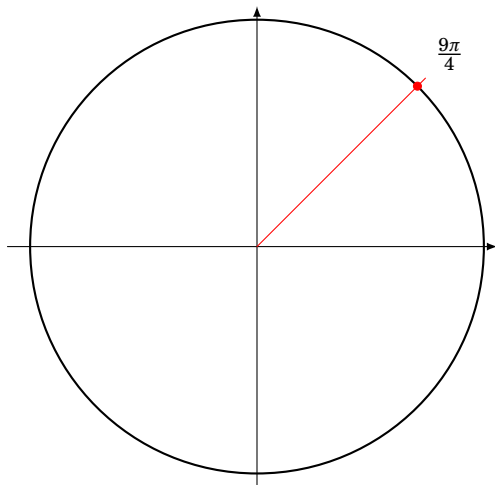
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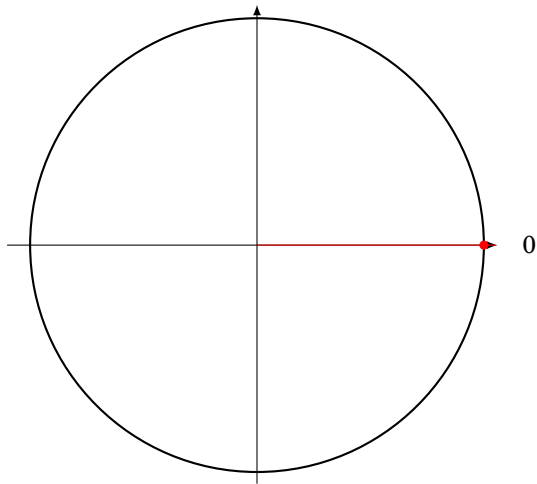


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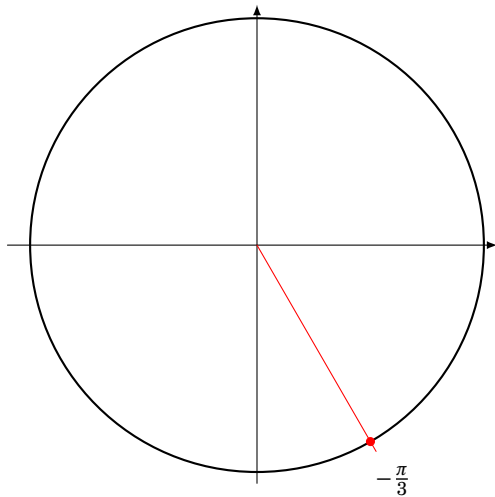


Exemple 2 : Placer le point image de $-\frac{17\pi}{3}$.

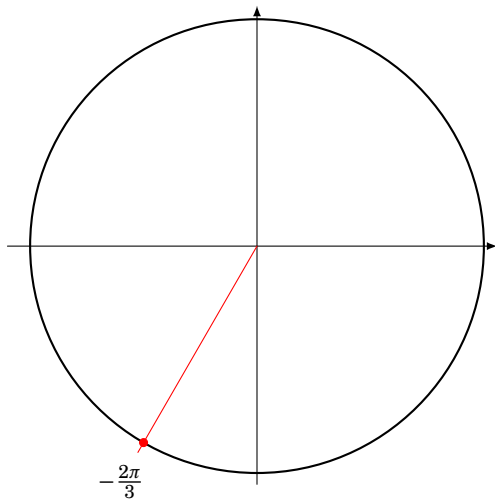
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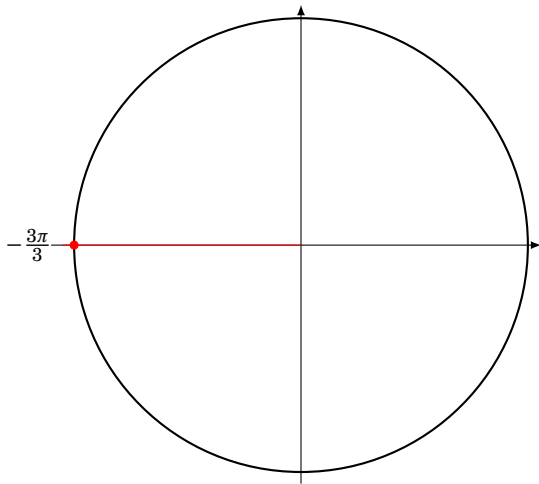
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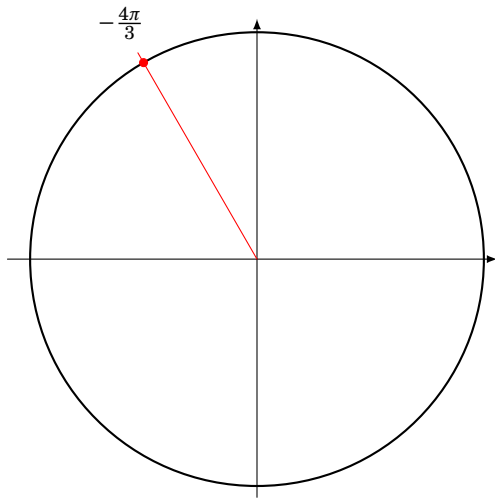
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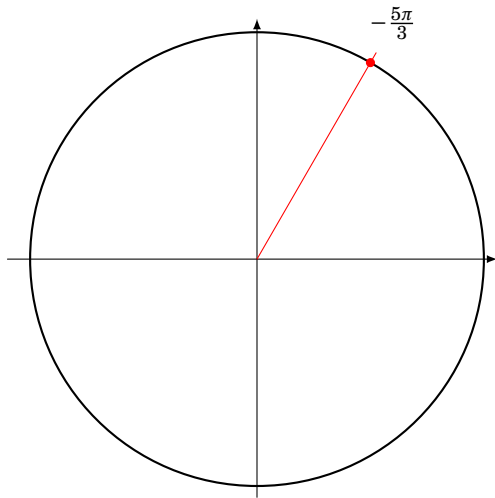
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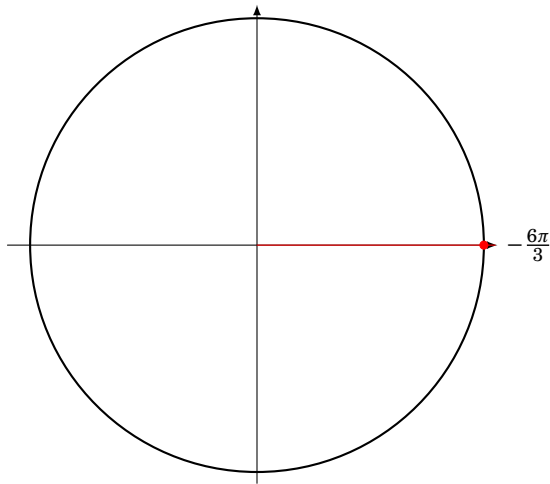
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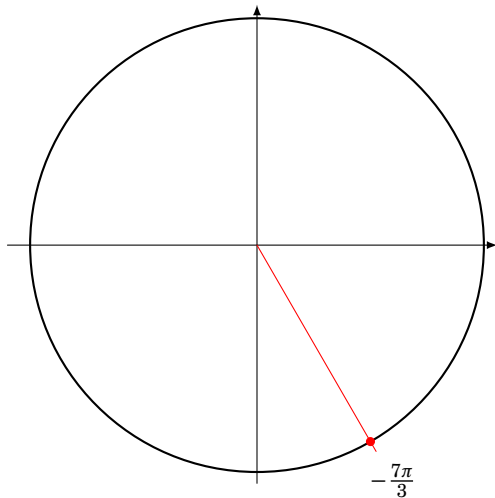
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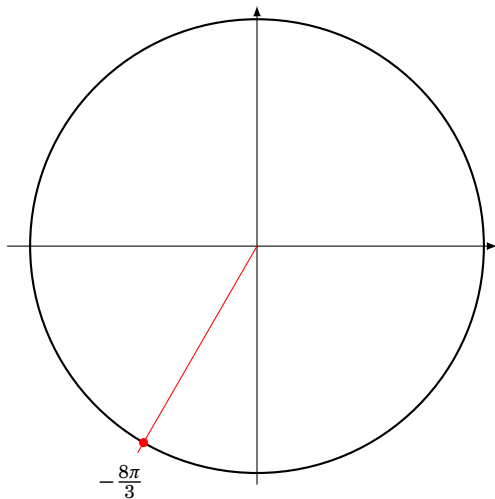
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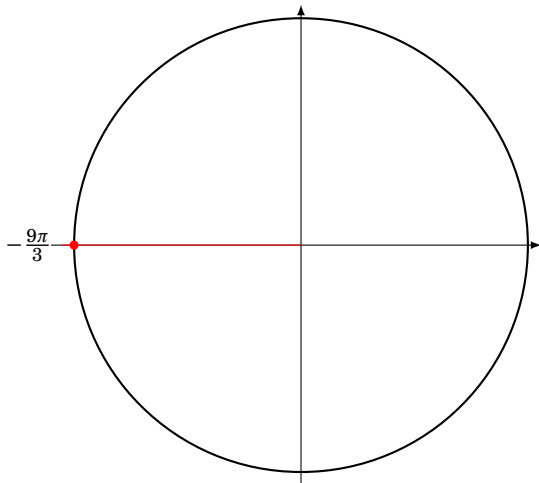
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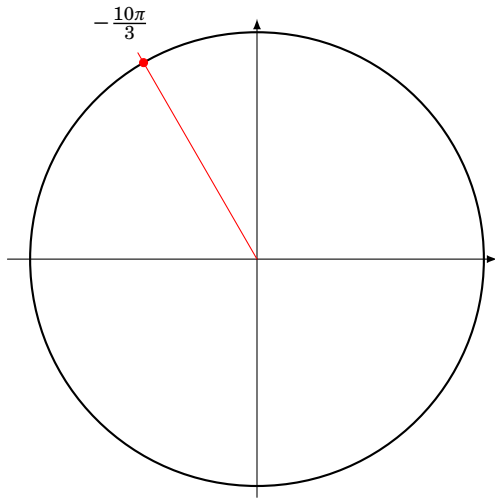
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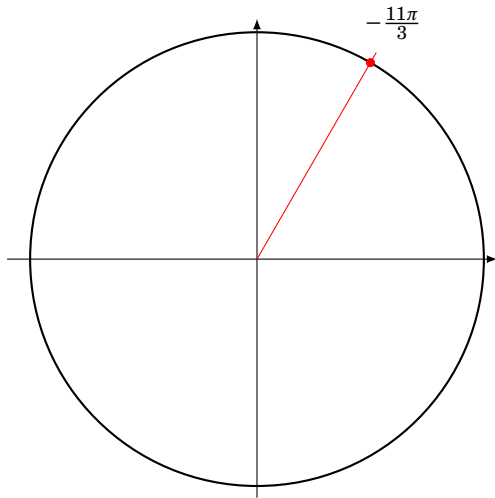
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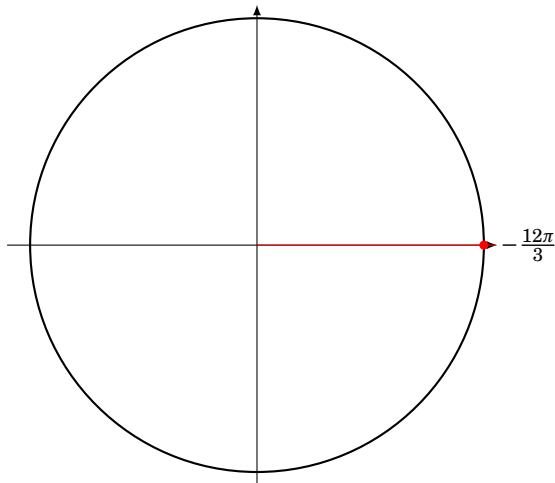
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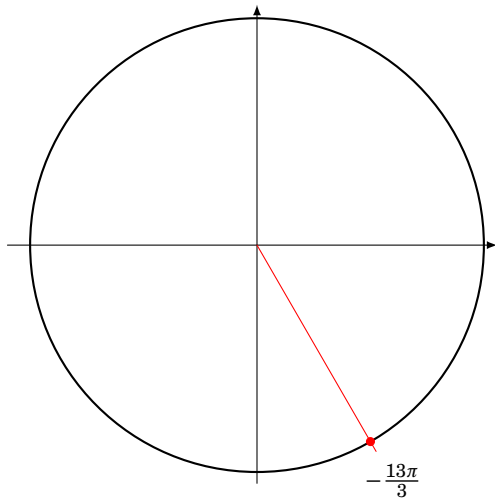
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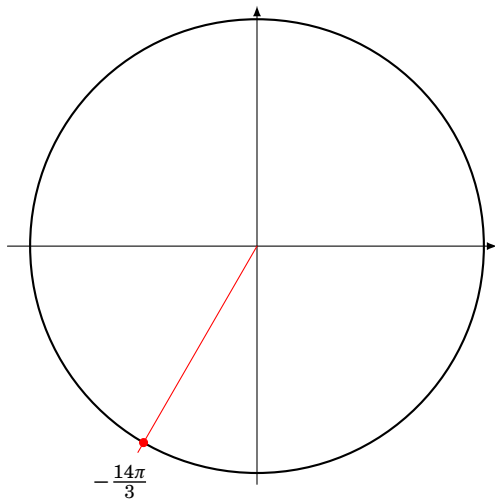
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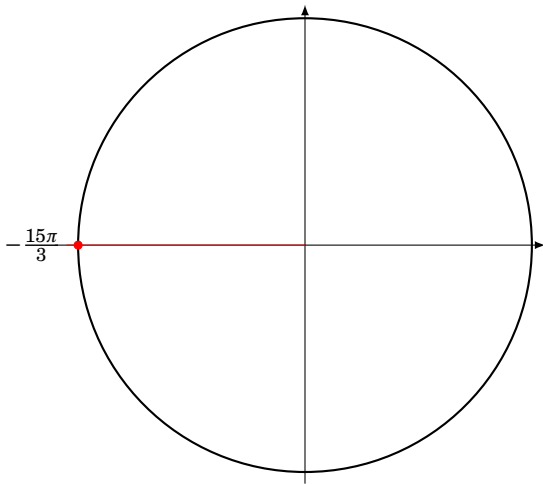
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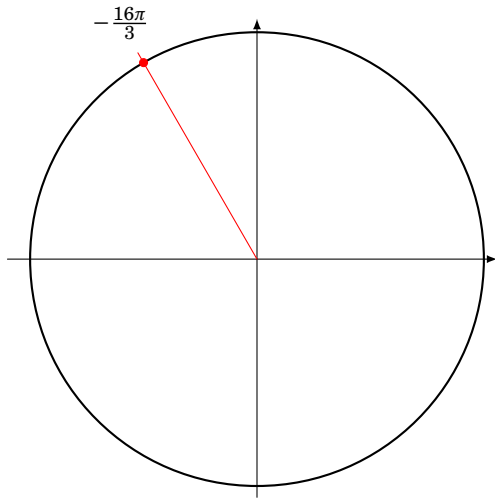
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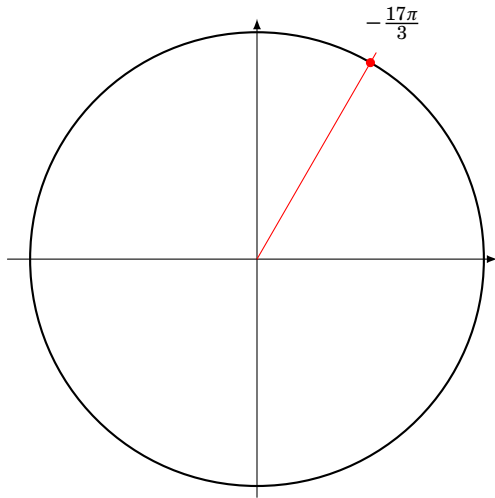
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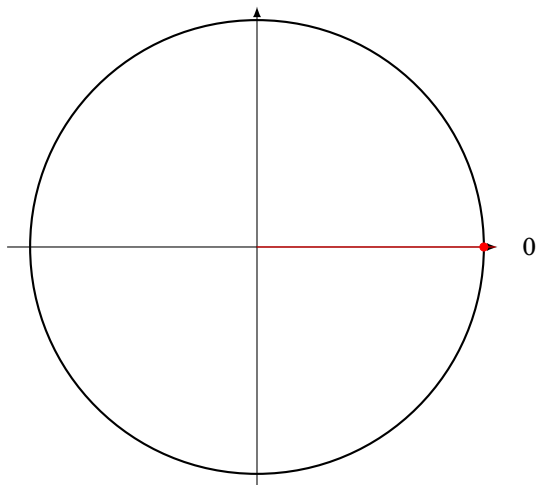


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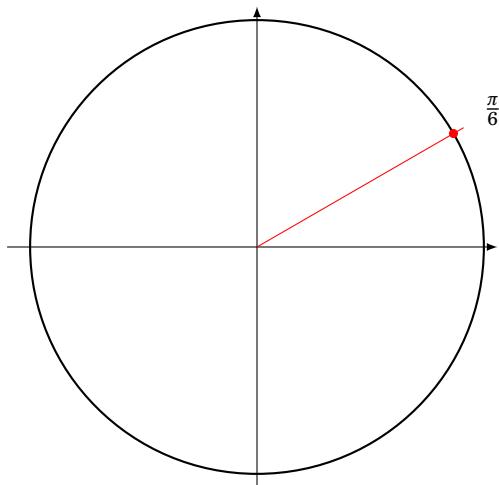


Exemple 3 : Placer le point image de $\frac{23\pi}{6}$.

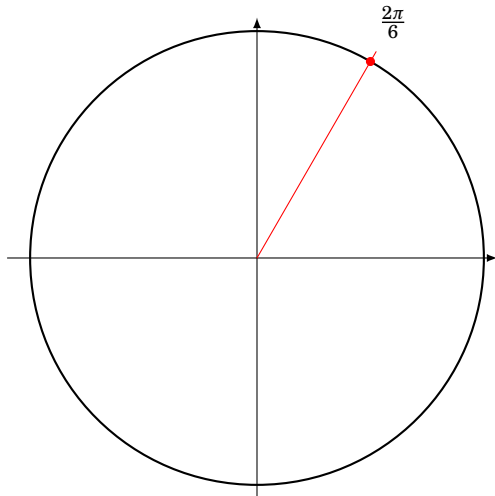
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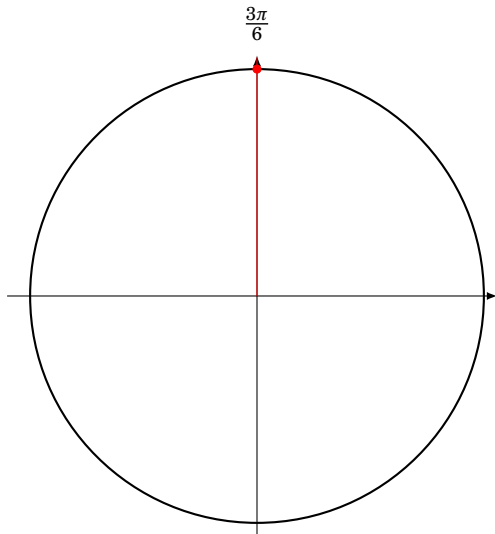
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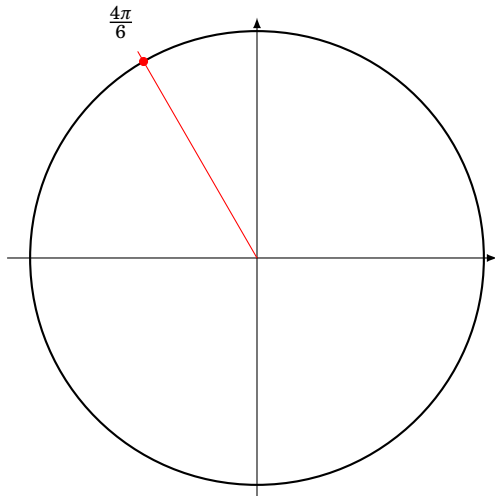
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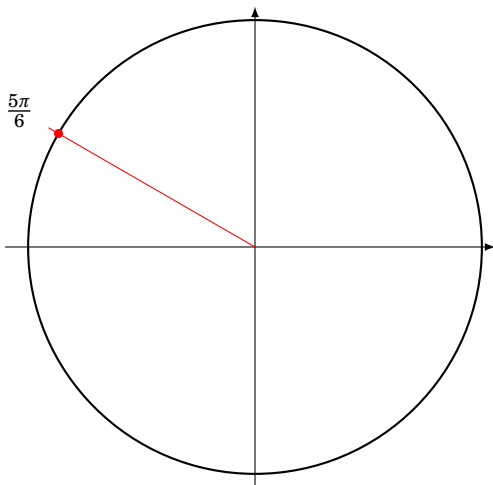
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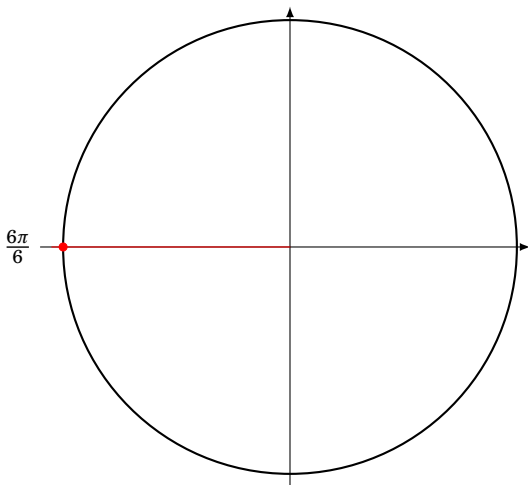
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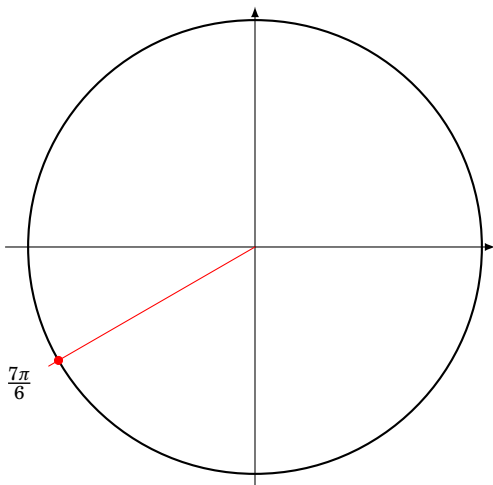
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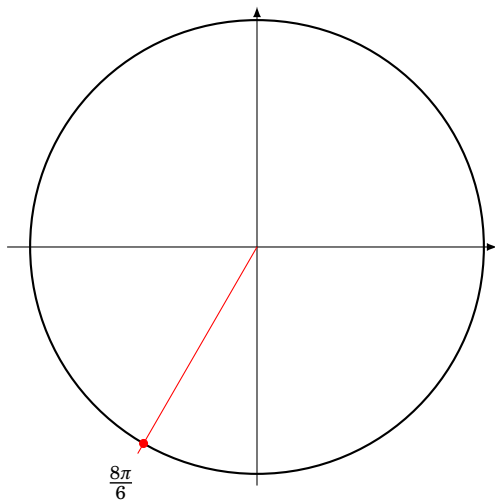
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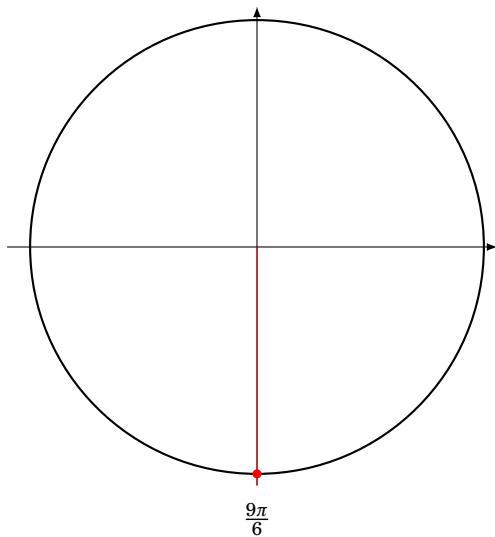
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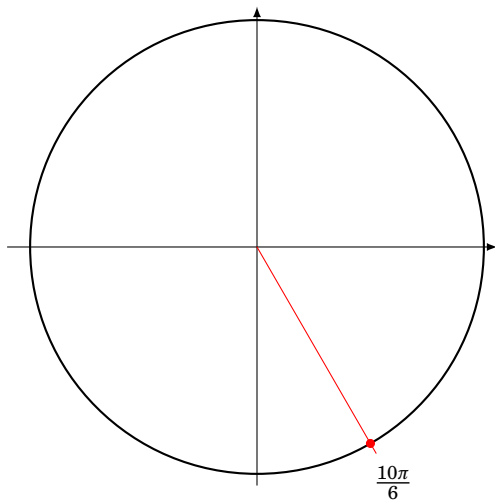
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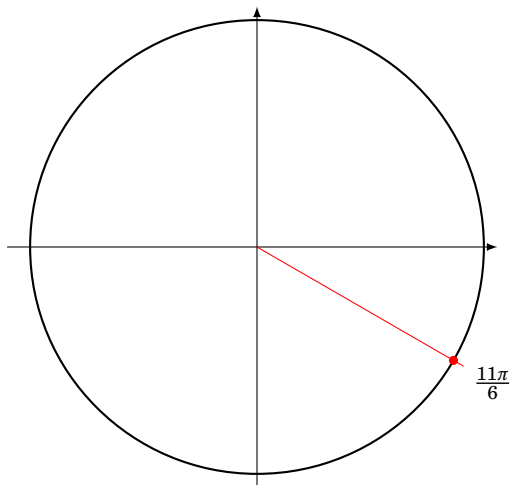
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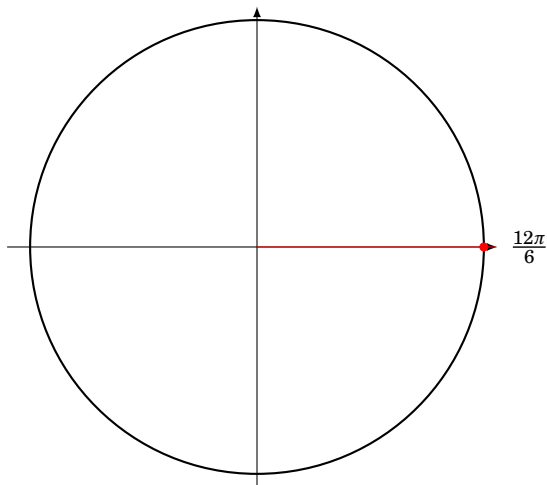
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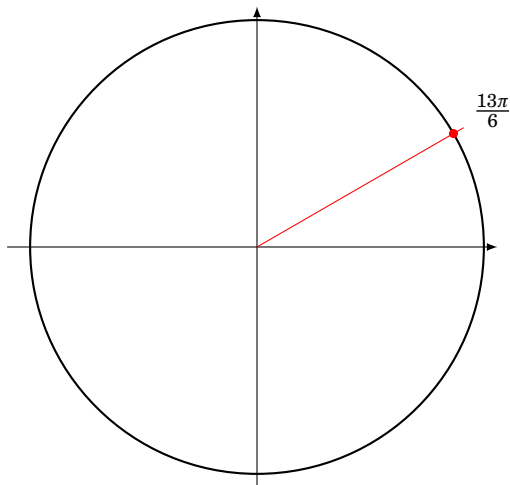
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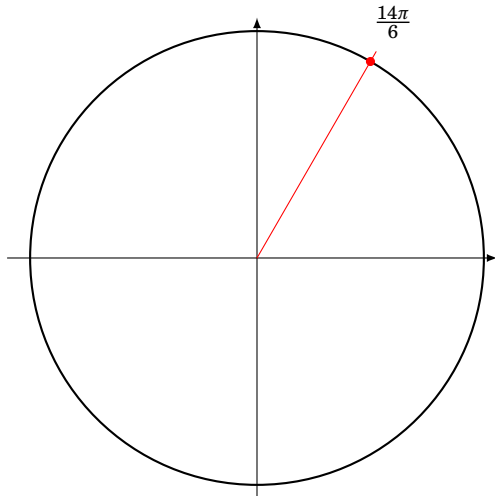
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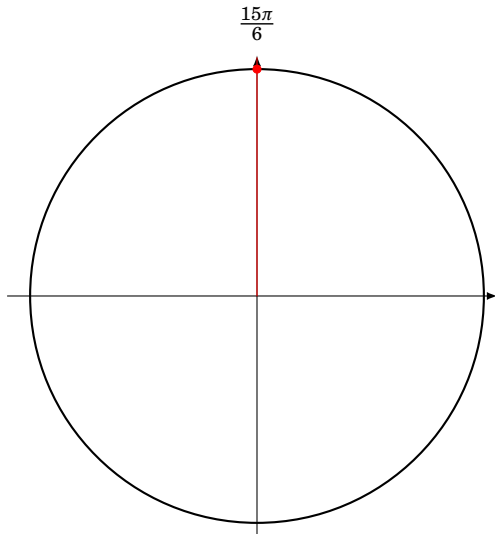
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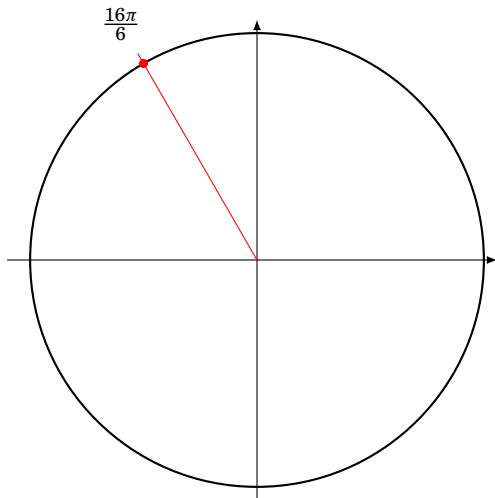
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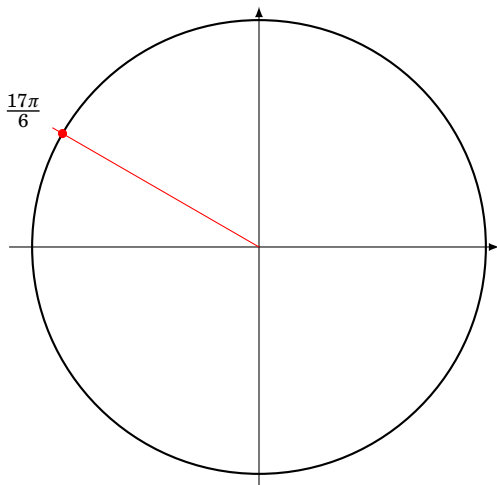
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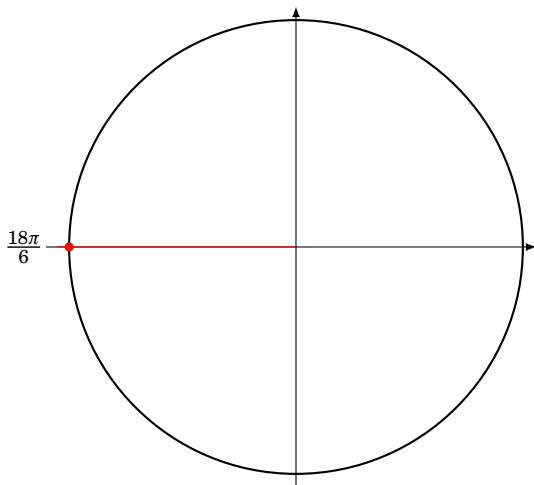
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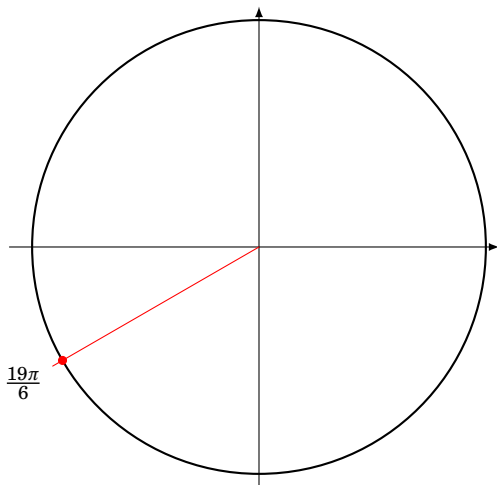
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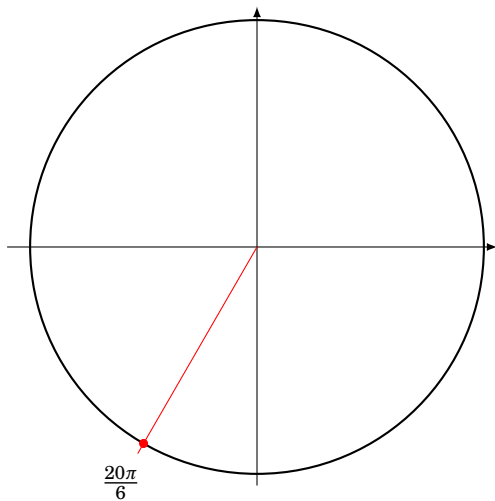
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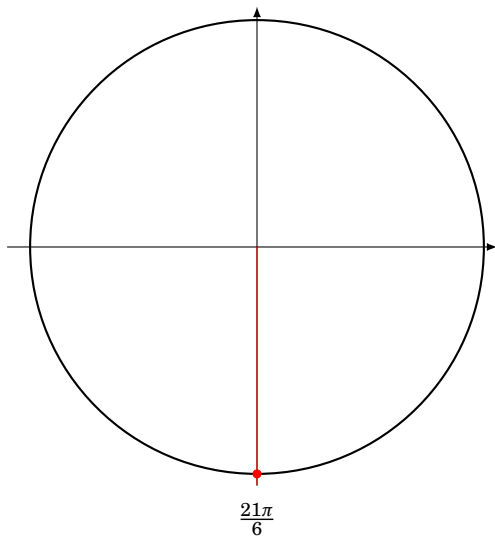
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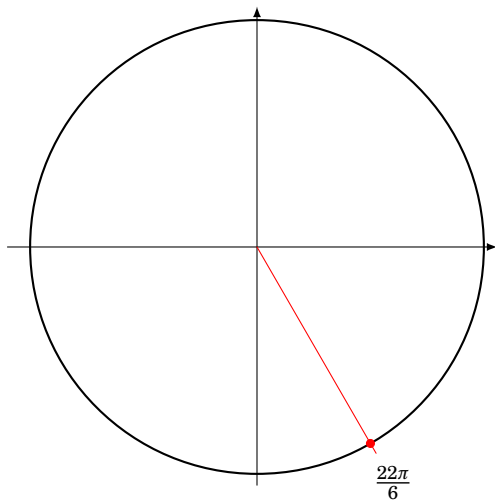
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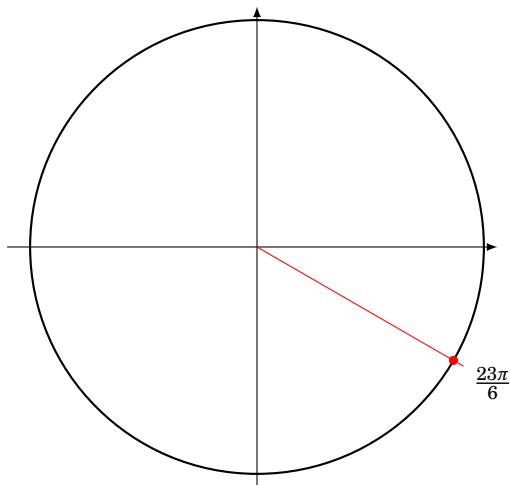
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On voit que cette méthode devient fastidieuse pour des grands nombres.

Par exemple, s'il s'agit de placer le point image de $\frac{23587\pi}{6}$, il faut trouver une méthode plus rapide.