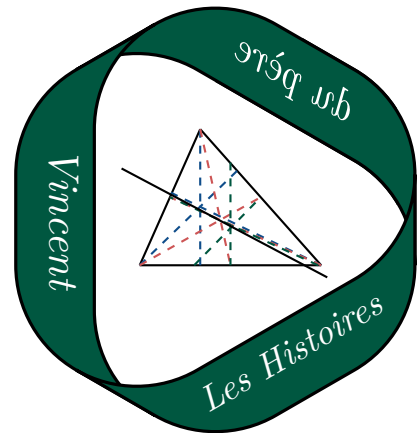


# QCM d'entraînement

## Fonctions trigonométriques



Corriger

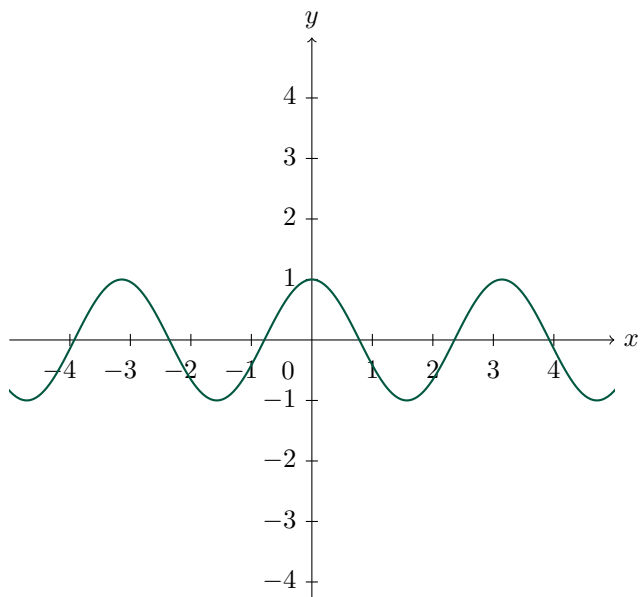
### Résultats

- Question 1
- Question 2
- Question 3
- Question 4
- Question 5
- Question 6
- Question 7
- Question 8
- Question 9
- Question 10

Total

Pour chaque question, il faut déterminer parmi les quatre propositions, et sans calculatrice, la fonction dont on donne la courbe représentative.

Question 1.



$$f : x \mapsto \sin(x)$$

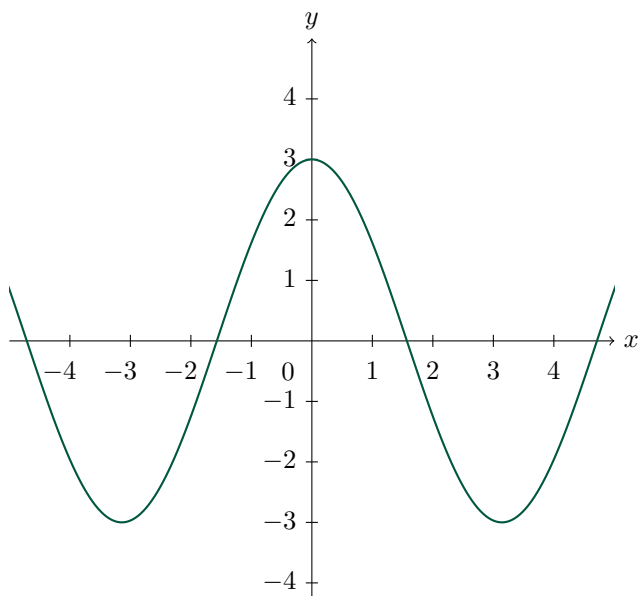
$$f : x \mapsto \cos(x)$$

$$f : x \mapsto \cos(2x)$$

$$f : x \mapsto \sin(2x)$$

Je ne sais pas

Question 2.



$$f : x \mapsto \sin(3x)$$

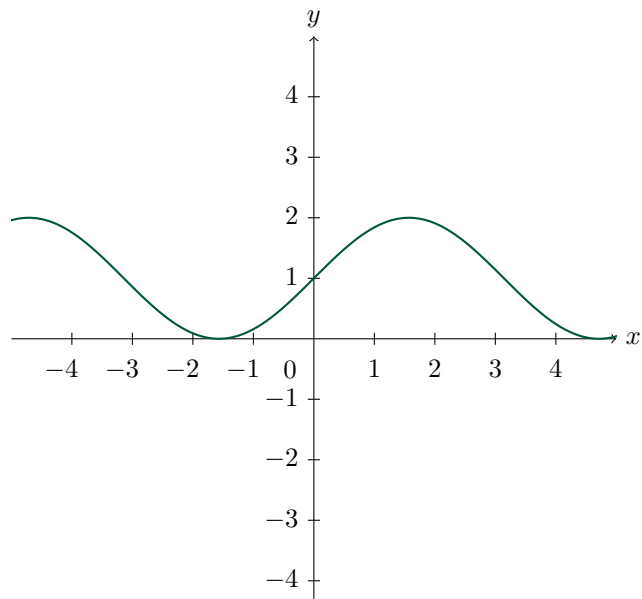
$$f : x \mapsto \cos(3x)$$

$$f : x \mapsto \sin(x) + 3$$

$$f : x \mapsto 3 \cos(x)$$

Je ne sais pas

Question 3.



$$f : x \mapsto \sin^2(x)$$

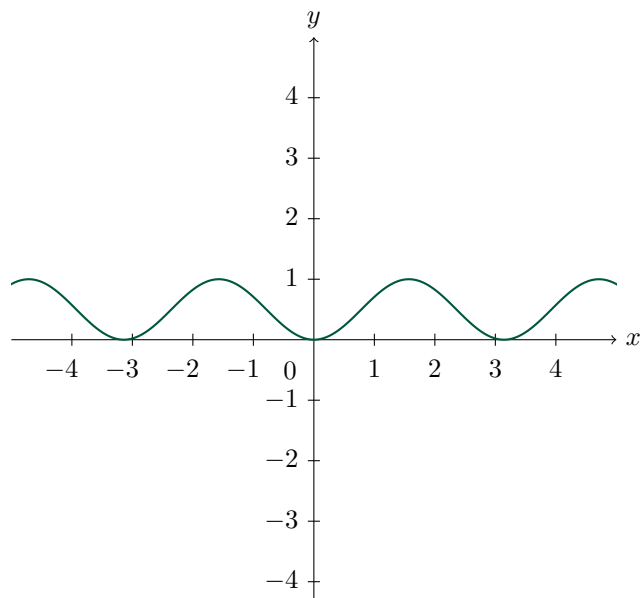
$$f : x \mapsto \sin(x) + 1$$

$$f : x \mapsto \sin(x + 1)$$

$$f : x \mapsto 2 \sin(x)$$

Je ne sais pas

Question 4.



$$f : x \mapsto \sin^2(x)$$

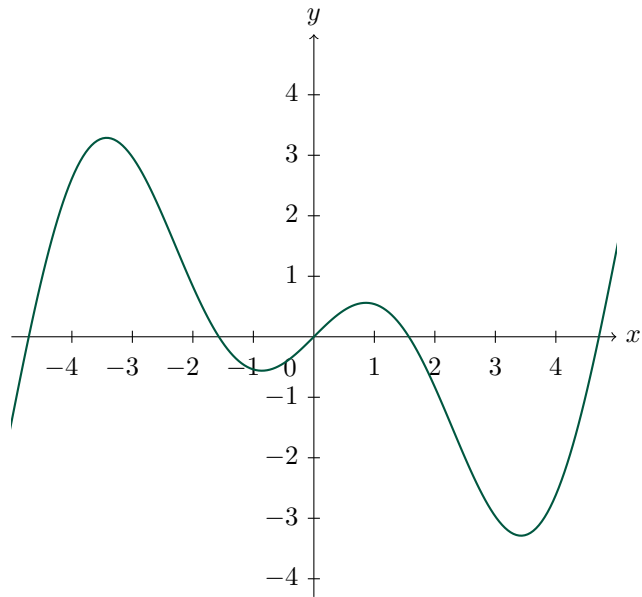
$$f : x \mapsto \sin(x) + 1$$

$$f : x \mapsto \sin(x + 1)$$

$$f : x \mapsto 2 \sin(x)$$

Je ne sais pas

Question 5.



$$f : x \mapsto \sin^2(x)$$

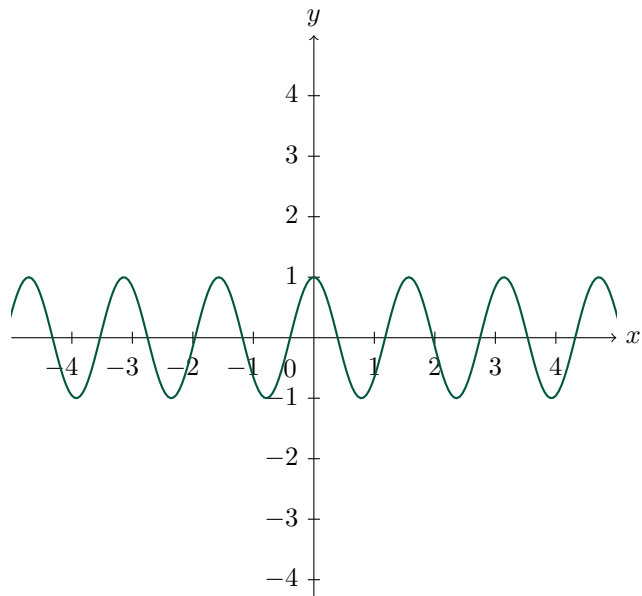
$$f : x \mapsto x \sin(x)$$

$$f : x \mapsto x \cos(x)$$

$$f : x \mapsto x^2 \sin(x)$$

Je ne sais pas

Question 6.



$$f : x \mapsto \cos(4x)$$

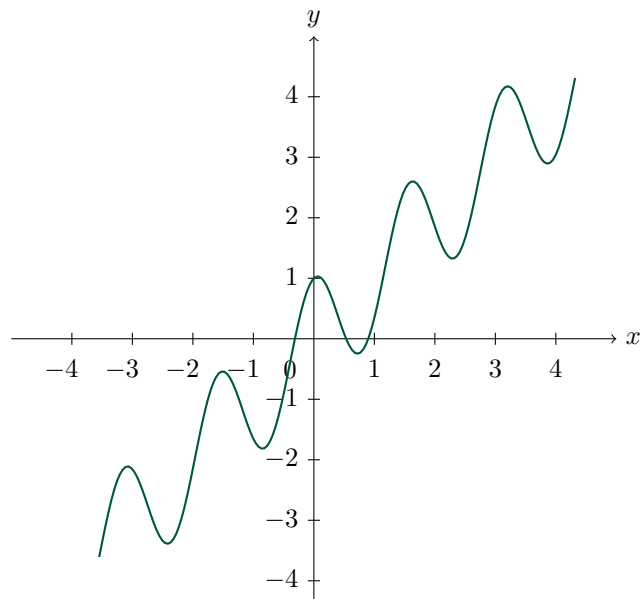
$$f : x \mapsto 4 \cos(x)$$

$$f : x \mapsto 4 \sin(x)$$

$$f : x \mapsto \sin(4x)$$

Je ne sais pas

Question 7.



$$f : x \mapsto x - \cos(4x)$$

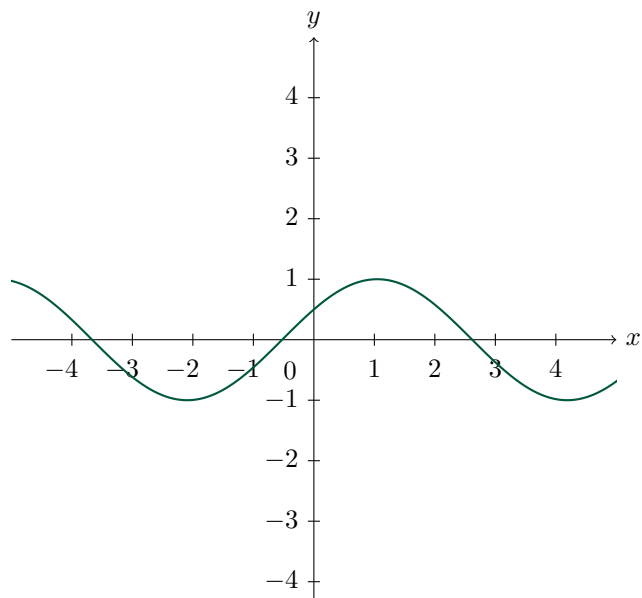
$$f : x \mapsto \cos(4x) + x$$

$$f : x \mapsto \cos(4x) - x$$

$$f : x \mapsto x - 4 \cos(x)$$

Je ne sais pas

Question 8.



$$f : x \mapsto \sin\left(x + \frac{\pi}{3}\right)$$

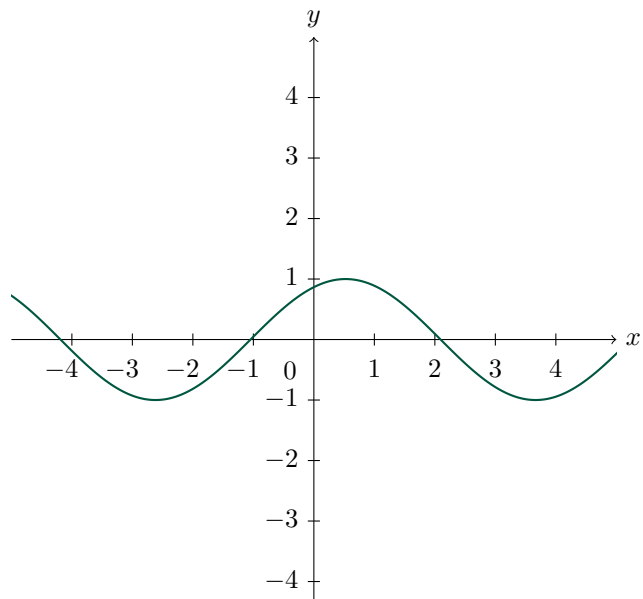
$$f : x \mapsto \sin\left(x + \frac{\pi}{2}\right)$$

$$f : x \mapsto \sin\left(x + \frac{\pi}{4}\right)$$

$$f : x \mapsto \sin\left(x + \frac{\pi}{6}\right)$$

Je ne sais pas

Question 9.



$$f : x \mapsto \cos\left(x + \frac{\pi}{3}\right)$$

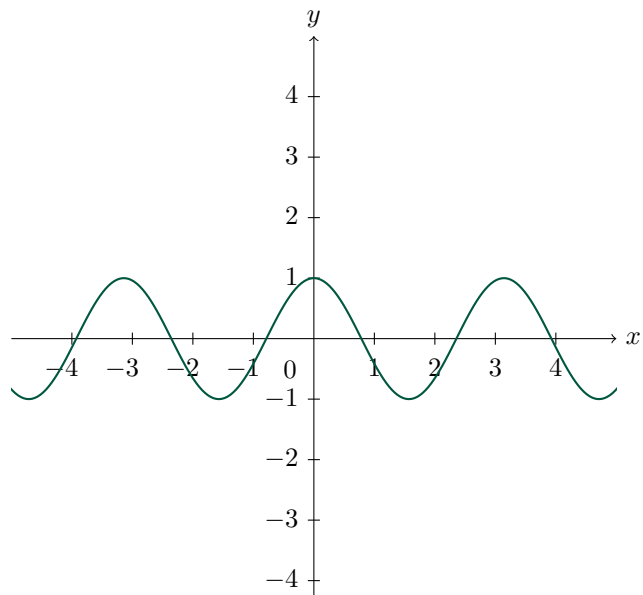
$$f : x \mapsto \cos\left(x - \frac{\pi}{3}\right)$$

$$f : x \mapsto \cos\left(x + \frac{\pi}{6}\right)$$

$$f : x \mapsto \cos\left(x - \frac{\pi}{6}\right)$$

Je ne sais pas

Question 10.



$$f : x \mapsto \cos^2(x) - \sin^2(x)$$

$$f : x \mapsto \cos(x) + \sin(x)$$

$$f : x \mapsto \cos^2(x) + \sin^2(x)$$

$$f : x \mapsto \cos(x) - \sin(x)$$

Je ne sais pas