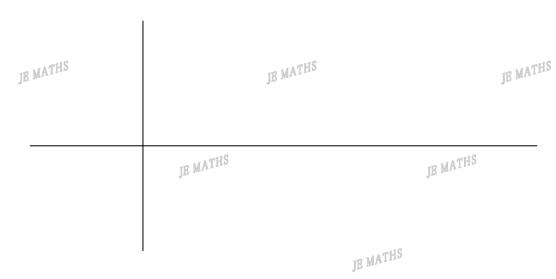
## **Enrichment stage 1:**

1. Sketch  $y = \sin 2\pi x$  for  $-1 \le x \le 2$ , and find the amplitude and period.



amplitude:

IB MATHS

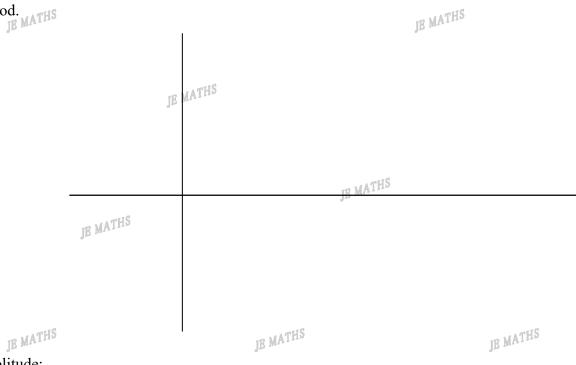
THS JE MATHS

-

period:

2. Sketch the following graph  $y = -1 + \frac{1}{3}\sin(\frac{\pi}{4} - 2x)$  for  $0 \le x \le 2\pi$  and find its amplitude, and period.

JB MATHS



amplitude:

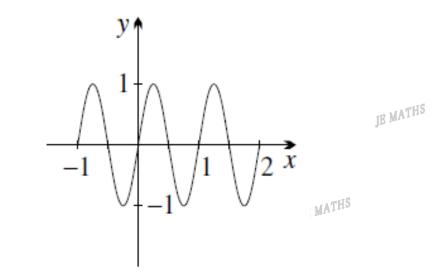
period:

-

## **Enrichment stage 2:**

JE MATHS

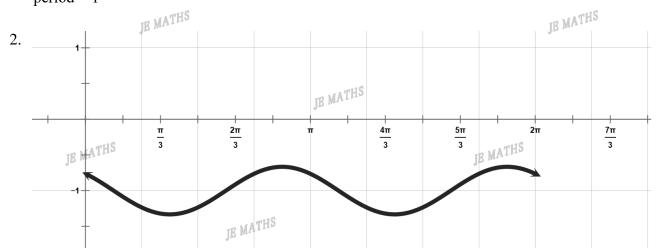
1.



amplitude = 1

JE MATHS

period = 1



amplitude = 1/3

 $period = \pi$  JE MATHS

JE MATHS

JE MATHS