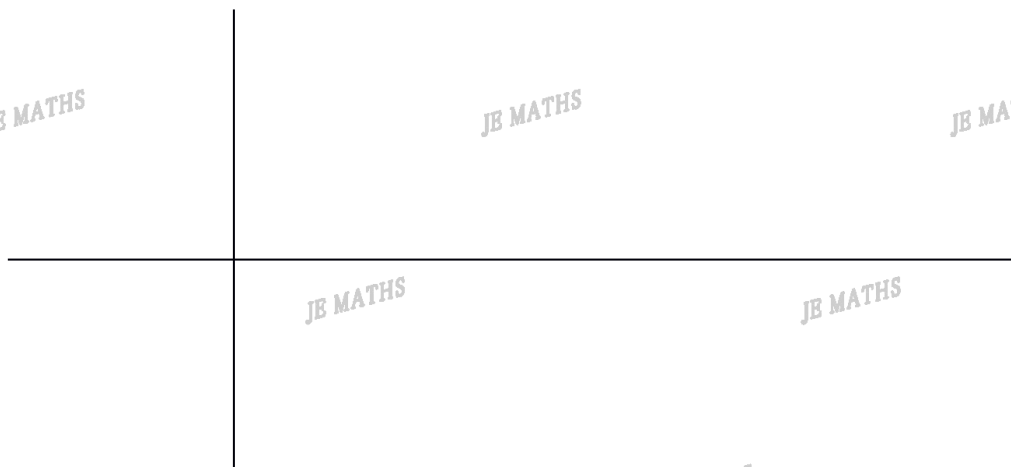**Enrichment stage 1:**

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

amplitude:

period:

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

amplitude:

period:

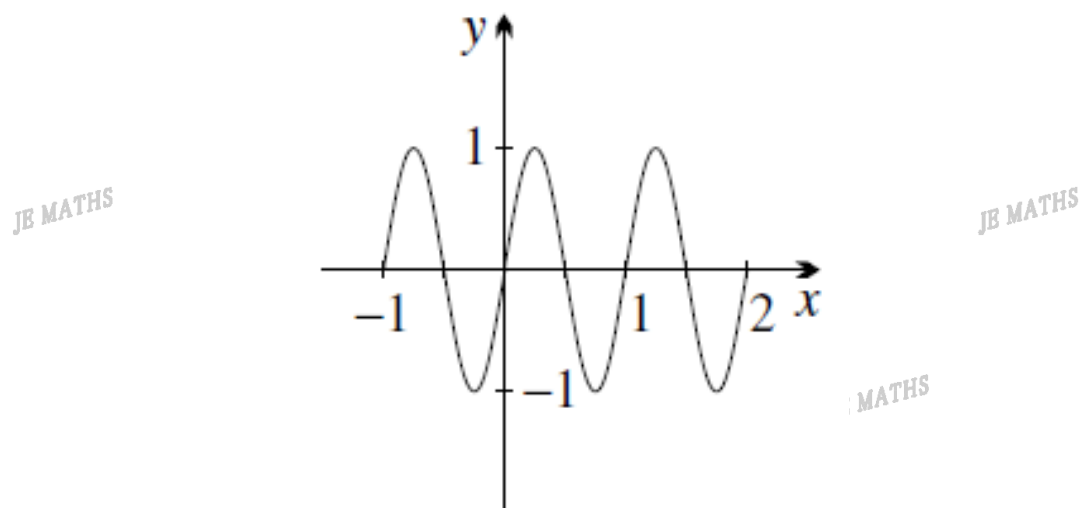**Enrichment stage 2:**

1.

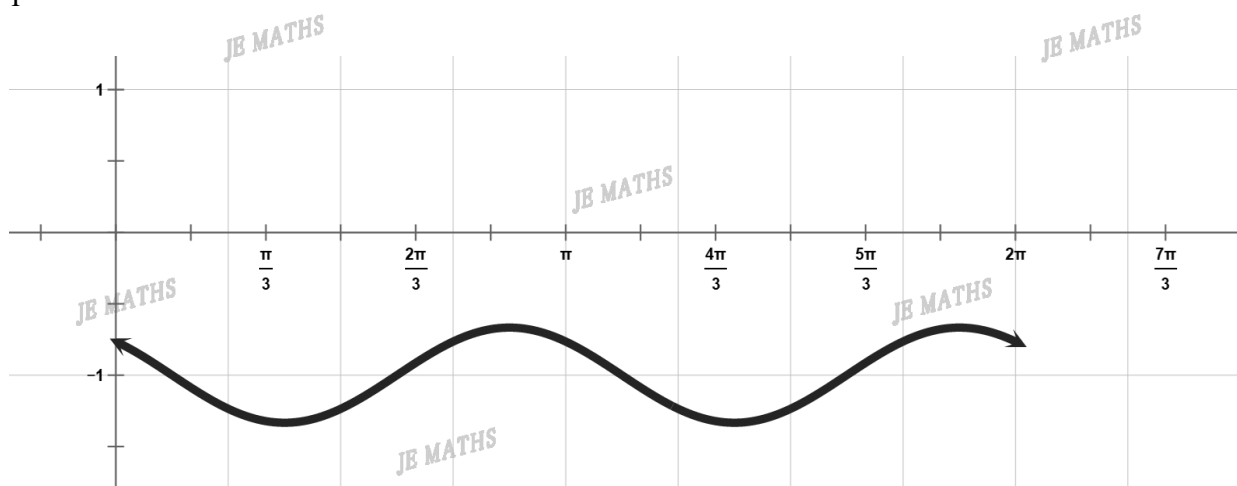amplitude = 1

period = 1

2.

amplitude = 1/3

period = π