1 / 1 pts

$$y = \ln\left(\frac{1}{4}x^4 + e^{\frac{1}{2}}\right)$$
• $y = \ln\left(\frac{1}{4}x^4 + e^{\frac{1}{2}}\right)$

$$y = \ln\left(\frac{1}{4}x^4 + \frac{1}{2}e\right)$$

Question 1

$$y = \ln\left(\frac{1}{4}x^4 + \frac{1}{2}e\right)$$

$$y = \ln\left(3x^2 + e^{\frac{1}{2}}\right)$$

 $y = \ln\left(3x^2 + e^{\frac{1}{2}}\right)$

$$y=\lnig(x^3+rac{1}{2}eig)$$

$$y = \ln\left(x^3 + \frac{1}{2}e\right)$$

1 / 1 pts

A sinusoidal function has an amplitude of $2\sqrt{2}$, a frequency of 3 and phase of $\frac{2\pi}{5}$. State a sinusoidal form of the function.

Note: Two versions will be given to avoid misunderstandings, the text version (black) and the image version (blue). If the two contents conflict, please refer to the image version first.

$$2\sqrt{2}\sin(6\pi t + \frac{2\pi}{5})$$

$$2\sqrt{2}\sin(6\pi t + \frac{2\pi}{5})$$

Question 2

$$2\sqrt{2}sin(\frac{2\pi}{3}t + \frac{2\pi}{5})$$

$$2\sqrt{2}sin(\frac{2\pi}{3}t + \frac{2\pi}{5})$$

$$8sin(6\pi t + \frac{2\pi}{5})$$

$$8\sin\left(6\pi t + \frac{2\pi}{5}\right)$$

$$9 \sin\left(\frac{2\pi}{3}t + \frac{2\pi}{5}\right)$$

 $8sin(\frac{2\pi}{2}t + \frac{2\pi}{\epsilon})$