

PP Phasors 009

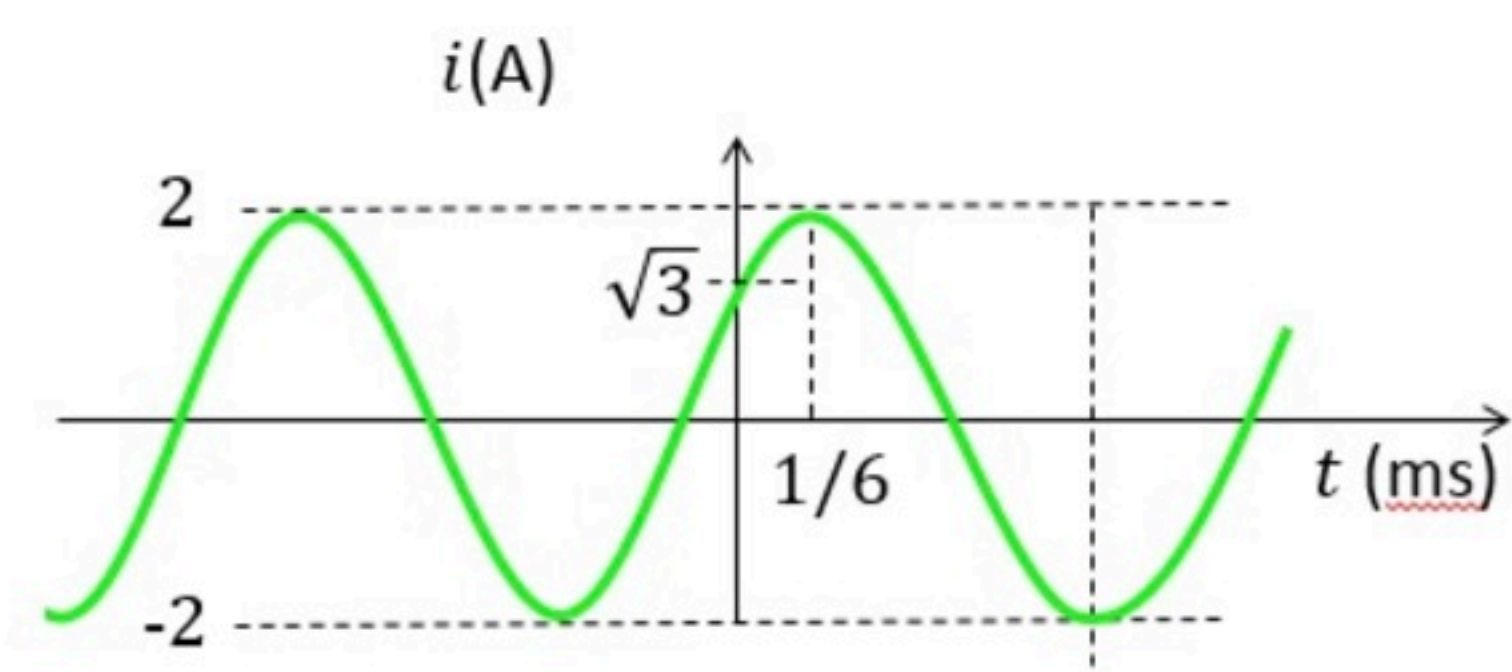
Unlimited Attempts.

Express the current as a time waveform

$i(t) = A_1 \cdot \cos(2\pi f_1 \cdot t + B_1)$ with $0 \leq A_1$ and $-180^\circ \leq B_1 \leq 180^\circ$

and as a phasor

$\mathbf{I} = A_2 \cdot e^{jB_2}$ with $0 \leq A_2$ and $-180^\circ \leq B_2 \leq 180^\circ$



Given Variables:

...

Calculate the following:

A1 (A) :

2



f1 (1/s) :

500



B1 (degrees) :

-30



A2 (A) :

2



B2 (degrees) :

-30



Hint: How does phase relates to time delay?