PP Phasors 007

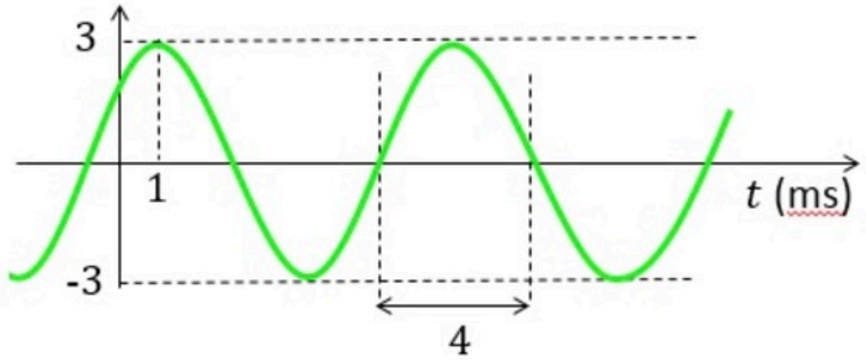
Unlimited Attempts.

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 $-180° \leq B_1 \leq 180°$

and as a phasor

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



Given Variables:

. : . .

Calculate the following:

A1 (A) :

3 ✓

f1 (1/s) :

125 ✓

B1 (degrees) :

-45 ✓

A2 (A) :

3 ✓

B2 (degrees) :

-45 ✓

Hint: How does phase relates to time delay?