

PP Phasors 004

Unlimited Attempts.

$$v(t) = 2\sqrt{2} \cdot \cos\left(10t + \frac{\pi}{6}\right) + 2\sqrt{2} \cdot \sin\left(10t + \frac{7\pi}{6}\right) \quad \text{V}$$

Express

$$v(t) = A \cdot \cos(10t + B) \quad \text{with} \quad 0 \leq A \quad \text{and} \quad -180^\circ \leq B \leq 180^\circ$$

Given Variables:

...

Calculate the following:

A (V) :

4



B (degrees) :

75



Hint: Convert to phasors; do the algebra in the complex domain (mostly in polar coordinates).