Answer on Question #64606 - Math - Trigonometry

Question

Graphically show the following sinusoidal waves and their combination when added together:

V1=
$$4\sin(50\pi t + 2\pi/5)$$
, V2= $3\sin(50\pi t + 2\pi/9)$.

Plot the graph over t=0 to t=0.2.

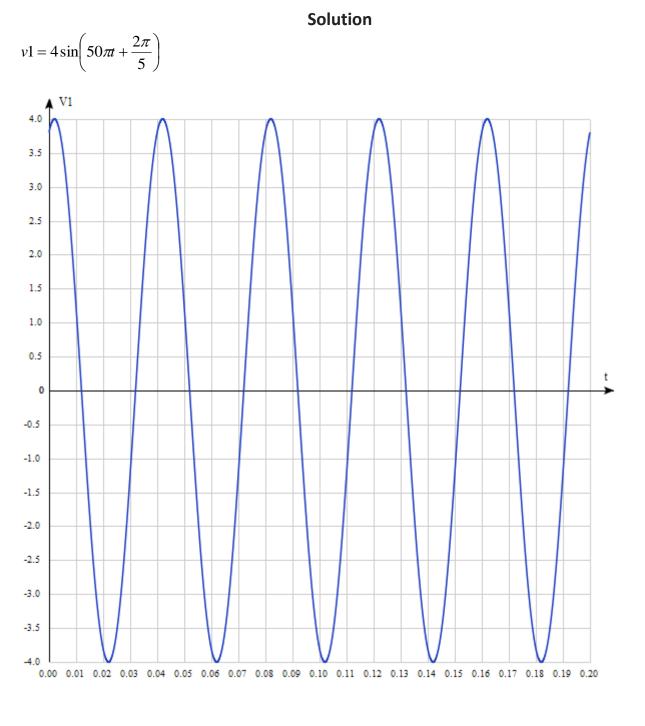


Fig. 1 Plot of $v1 = 4\sin\left(50\pi t + \frac{2\pi}{5}\right)$

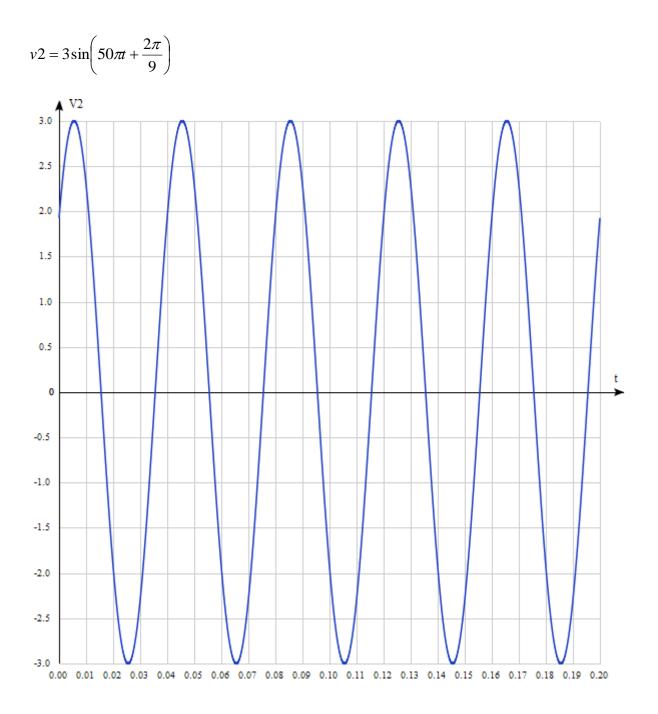


Fig. 2 Plot of
$$v2 = 3\sin\left(50\pi t + \frac{2\pi}{9}\right)$$

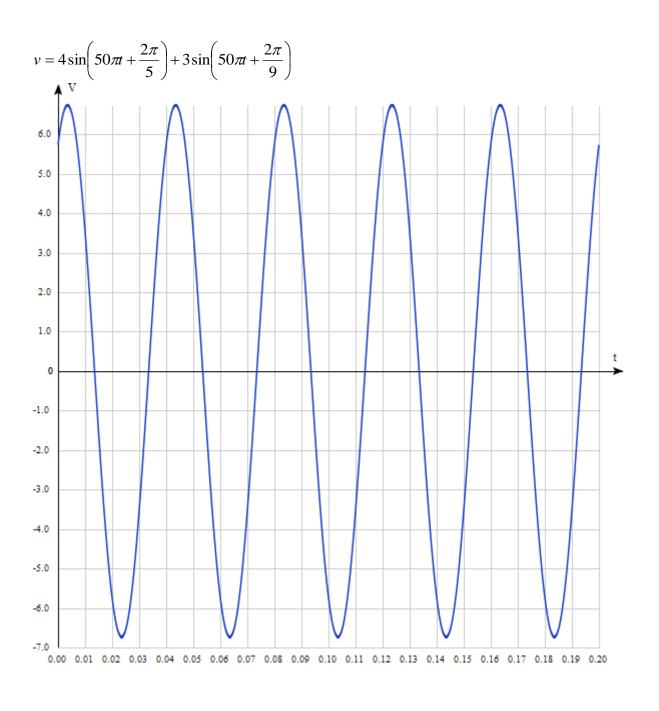


Fig. 3 Plot of
$$v = 4\sin\left(50\pi t + \frac{2\pi}{5}\right) + 3\sin\left(50\pi t + \frac{2\pi}{9}\right)$$

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