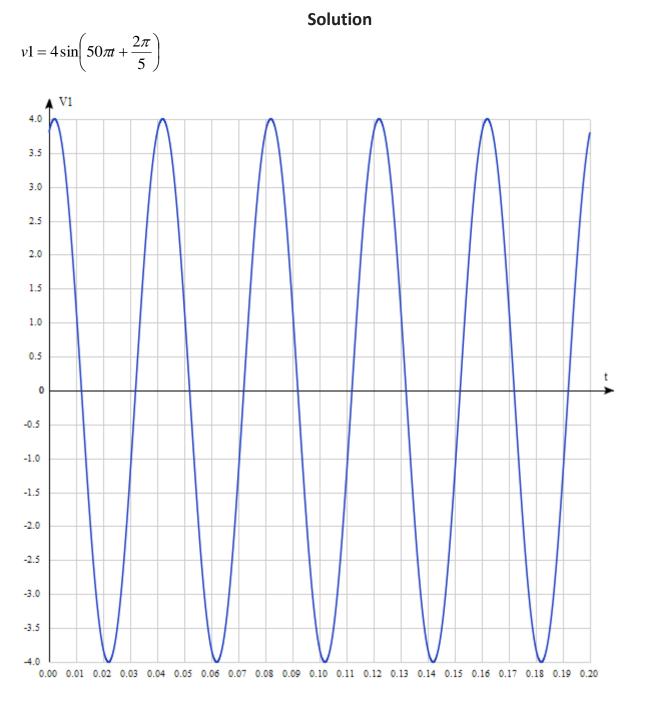
## Answer on Question #64606 - Math - Trigonometry

## Question

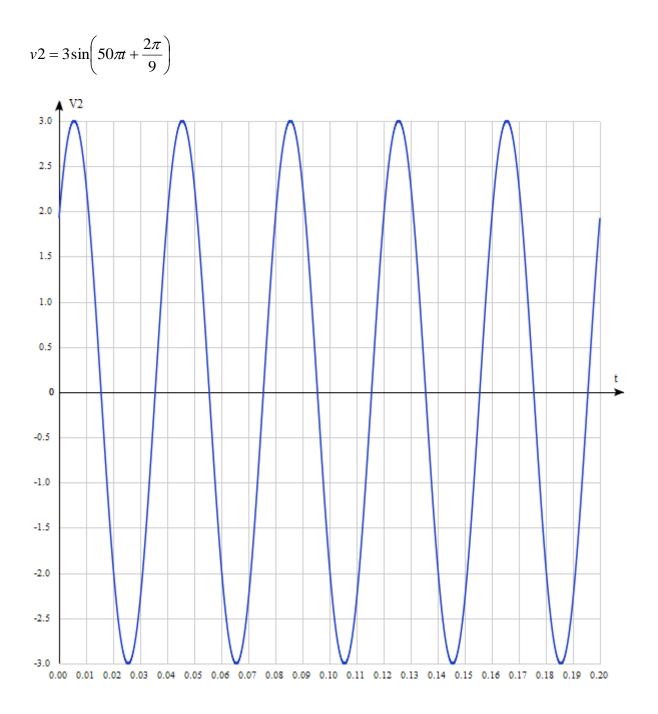
Graphically show the following sinusoidal waves and their combination when added together:

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

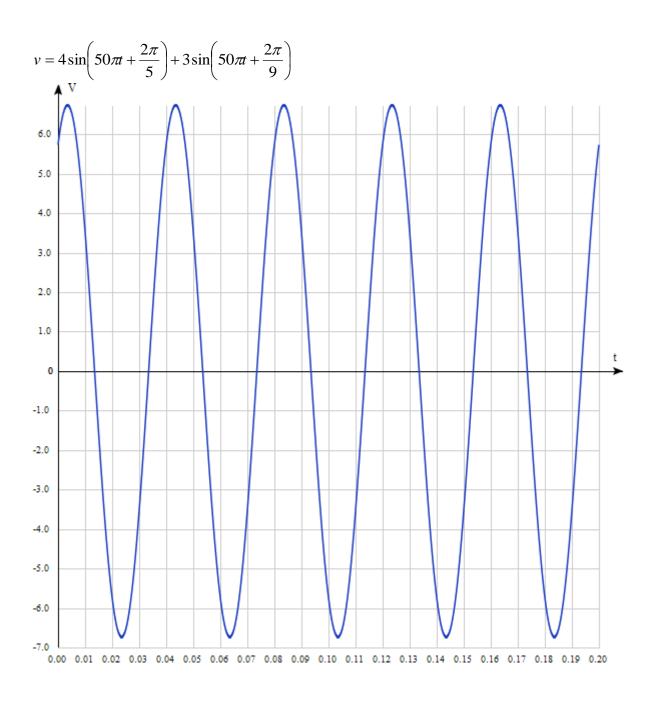
Plot the graph over t=0 to t=0.2.



**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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