

Equations of Sine and Cosine Curves

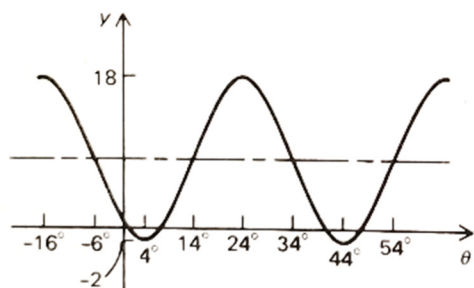
Precalculus

Sketch a graph of the function.

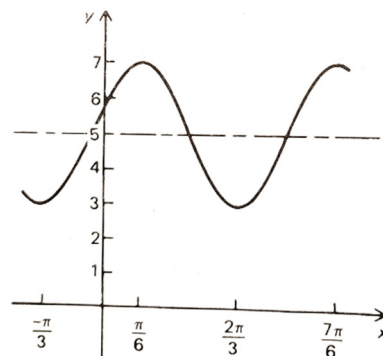
1. $y = 3 + 4 \cos 5(\theta - 10^\circ)$
2. $y = -1 + 3 \sin 12(\theta + 6^\circ)$
3. $y = -5 + 4 \sin \frac{1}{3}(x + \frac{\pi}{2})$
4. $y = 2 + 6 \cos \frac{\pi}{2}(x - 3)$

Write the equation of the sinusoid sketched.

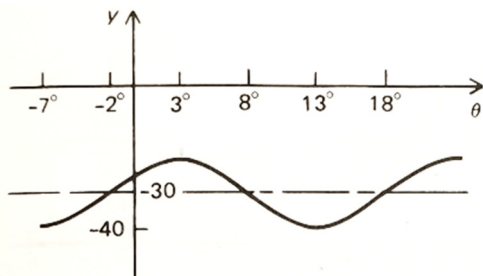
5.



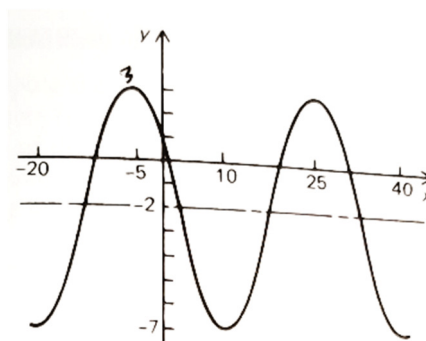
8.



6.



9. Use radians.



7.

