

Write the equation for either a sine or a cosine function based on the given info. Show work!

Given Info	Function	Work to Find a , b , c , and d	Equation for Function
1.) amplitude = 4 , period = 6π , right by 3π , down by 5	sine		
2.) amplitude = 1 , period = $\frac{3\pi}{4}$, left by $\frac{\pi}{2}$, up by 2	cosine		
3.) amplitude = 3 , period = $\frac{\pi}{5}$, left by π , no vertical shift	sine		
4.)			
5.) amplitude = 5 , period = $\frac{\pi}{2}$, left by $\frac{\pi}{4}$, up by 1	cosine		
6.) amplitude = $\frac{1}{2}$, period = 2π , right by $\frac{\pi}{3}$, down by 4	cosine		
7.) amplitude = 2 , period = $\frac{\pi}{4}$, no phase shift , up by 3	sine		
8.)			