

If you add a positive constant  $c$  to the input of a function, that will have the effect of shifting the graph of the original function to the left by  $c$  units. If you *subtract* a positive constant  $c$  from the input of a function, that will have the effect of shifting the graph of the original function to the *right* by  $c$  units. The correct answer is shift it  $\frac{\pi}{2}$  units to the left.