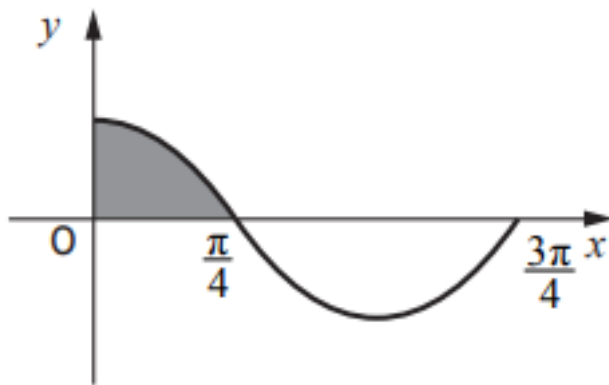


2015 P1 Q12

12. The diagram shows part of the graph of $y = a \cos bx$.

The shaded area is $\frac{1}{2}$ unit².



What is the value of $\int_0^{\frac{3\pi}{4}} (a \cos bx) dx$?

Answer

$$-\frac{1}{2}$$