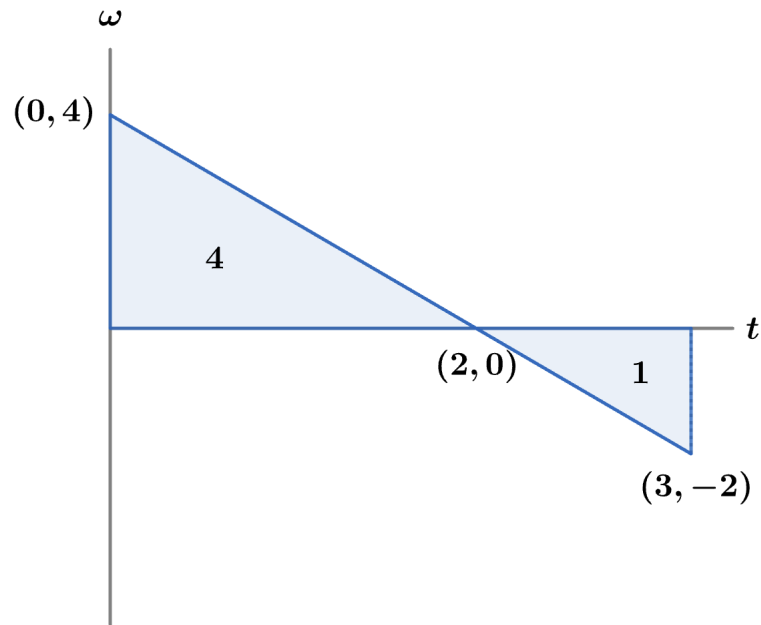


2009 F=ma Exam: Problem 9

Kevin S. Huang



The area under a ω - t plot gives the angular displacement $\Delta\theta$. From $t = 0$ s to $t = 3$ s, the signed area is $\Delta\theta = 4 - 1 = 3$ radians so the answer is E.