

## Quiz

An object starts from rest and travels along the positive  $x$ -axis with acceleration  $a(t) = \alpha - \beta t$ , where  $\alpha$  and  $\beta$  are positive constants. At what time will the object start moving in the  $-x$  direction?

(a)  $\frac{\alpha}{2\beta}$

(c)  $\frac{2\alpha}{\beta}$

(e) Not enough information

(b)  $\frac{2\beta}{\alpha}$

(d)  $\frac{\beta}{2\alpha}$

## Quiz

An object is fired straight upward from ground level at the speed  $v_0$ . At what time does it reach its maximum height?

(a)  $\frac{v_0}{g}$

(d)  $-\frac{v_0}{2g}$

(b)  $\frac{v_0}{2g}$

(e) None of the above

(c)  $-\frac{v_0}{g}$