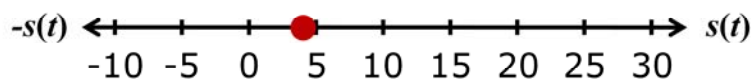


Question of the Day

A particle moving along a straight line has a **position** (s) as a function of **time** (t) given by

$$s(t) = t^3 - 10t + 4$$



Determine the **velocity** and **acceleration** as a function of **time** (t).

ME 231: Dynamics

$$v = ds/dt = 3t^2 - 10$$

$$a = dv/dt = 6t$$