

15. We appeal to Eq. 2-4 and Eq. 2-9.

(a) This is  $v^2$  – that is, the velocity squared.

(b) This is the acceleration  $a$ .

(c) The SI units for these quantities are  $(\text{m/s})^2 = \text{m}^2/\text{s}^2$  and  $\text{m/s}^2$ , respectively.