$x(t) = 2t^2 - t + 1$ m

at $t = 2$ s:

a.) Position: $x(t=2) = 2(2)^2 - 2 + 1$

$= \underline{7 \text{ m}}$

b.) Velocity:

$$v_x = \frac{dx}{dt} = \frac{d}{dt}(2t^2 - t + 1)$$

$$= \frac{d}{dt}(2t^2) - \frac{d}{dt}(t) + \frac{d}{dt}(1)$$

$$= 4t - 1$$

c.) Acceleration: $\underline{v_{x(t=2)} = 7 \text{ m/s}}$

$$a_x = \frac{dv_x}{dt} = \frac{d}{dt}(4t - 1) = 4$$

So: $a_x(t=2) = \underline{4 \text{ m/s}^2}$