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$\Delta s = \text{area under } v-t \text{ curve}$

$$0 - 2 = -\frac{3}{2} v\left(\frac{6}{2}\right) + \frac{1}{2} v(4)$$

$$\underline{v = 0.8 \text{ m/s}}$$

Acceleration

$$a = \frac{dv}{dt} = \frac{0.8}{4}$$

$$= \underline{0.2 \text{ m/s}^2}$$

