

2.9. Visualize: Please refer to Figure EX2.9.

Solve: (a) The acceleration of the train at $t = 3.0$ s is the slope of the v vs t graph at $t = 3$ s. Thus $a = (2 \text{ m/s} - (-2 \text{ m/s})) / (8 \text{ s}) = 0.5 \text{ m/s}^2$.

(b)

