0.1 Homework 01 - Forces + Newton's Laws

9.

a)

$$a_x(0.7) = \frac{d}{dx} v_x(0.7) = \frac{d}{dx} - 15 + 2t - 4t^3 \big|_{t=0.7}$$

$$= \boxed{-3.88 m/s^2}$$

13.

17.

26.

27.

41.

44.

54.