

## 0.1 Homework 01 - Forces + Newton's Laws

9.

a)

$$\begin{aligned}a_x(0.7) &= \frac{d}{dx}v_x(0.7) = \frac{d}{dx}(-15t + 2t^2 - 4t^3) \\&= \boxed{-3.88\text{m/s}^2}\end{aligned}$$

13.

17.

26.

27.

41.

44.

54.