

Velocitat:  $v = \frac{x_2 - x_1}{t_2 - t_1} = \frac{24 - 6}{6 - 0} = \frac{18}{6} = 3 \text{ m/s}$ .

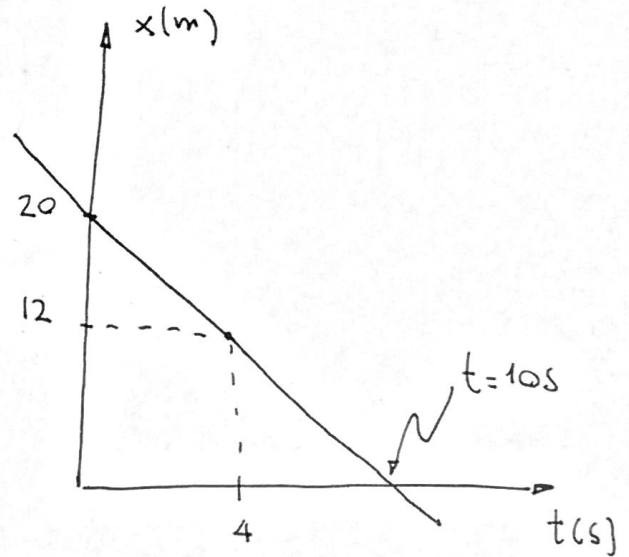
$$x = x_0 + v(t - t_0)$$

$$x = 6 + 3t$$

Passa per l'origen  $x=0$

$$0 = 6 + 3t$$

$$t = -2 \text{ s}$$



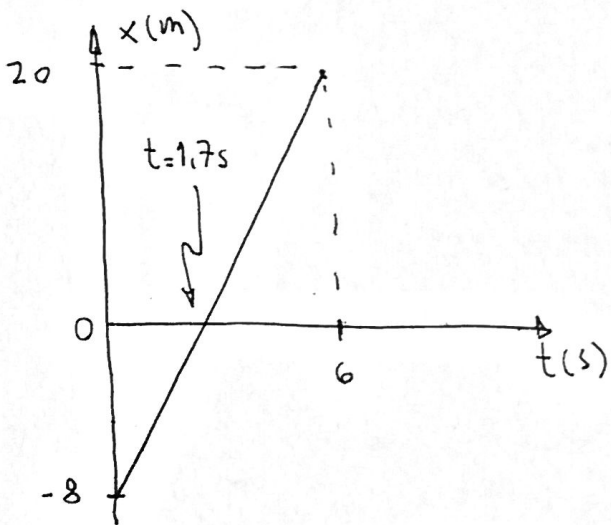
$$v = \frac{x_2 - x_1}{t_2 - t_1} = \frac{12 - 20}{4 - 0} = \frac{-8}{4} = -2 \text{ m/s}$$

$$x = 20 - 2t$$

Passa per l'origen

$$0 = 20 - 2t$$

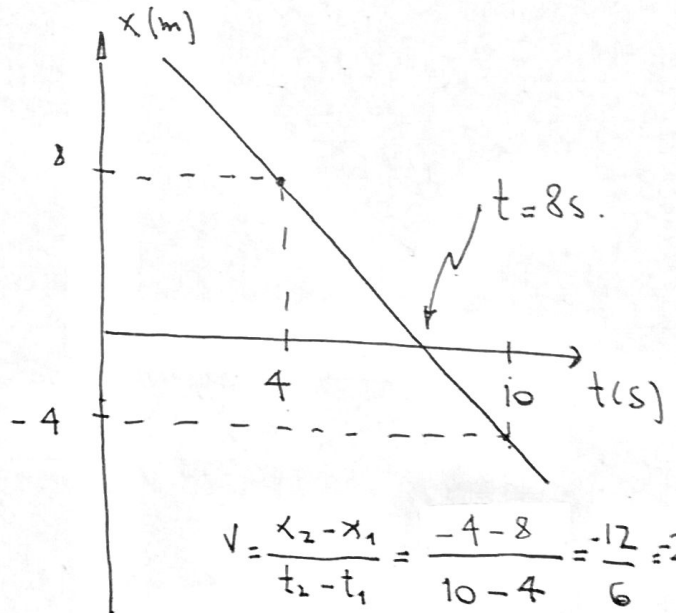
$$t = 10 \text{ s}$$



$$v = \frac{x_2 - x_1}{t_2 - t_1} = \frac{20 - (-8)}{6 - 0} = \frac{28}{6} = 4.7 \text{ m/s}$$

$$x = x_0 + v(t - t_0) = -8 + 4.7t$$

$$0 = -8 + 4.7t \Rightarrow t = \frac{8}{4.7} = 1.7 \text{ s}$$



$$v = \frac{x_2 - x_1}{t_2 - t_1} = \frac{-4 - 8}{10 - 4} = \frac{-12}{6} = -2 \text{ m/s}$$

$$x = 8 - 2(t - 4)$$

$$0 = 8 - 2(t - 4) \Rightarrow t - 4 = \frac{8}{2} = 4$$

$$t = 8 \text{ s}$$