

Exercise 7-1



$$a_x = 0$$

$$\therefore x = x_0 + v_0 t$$

$$\text{choose } x_0 = 0$$

$$\therefore x = v_0 t$$

$$= (28 \text{ m/s})(0.30 \text{ s})$$

$$= 8.4 \text{ m}$$

\therefore the displacement is 8.4 m (forward)