

1. a) Stationary

(1.) (3.)

b) Uniform rectilinear motion
(straight line constant velocity)

(2.) (5.)

c) Returns to starting point

(4.) (6.)

2. a) $v = 10 \text{ m/s}$ $\Delta t = 5 \text{ s}$

$$d = (10 \text{ m/s})(5 \text{ s})$$

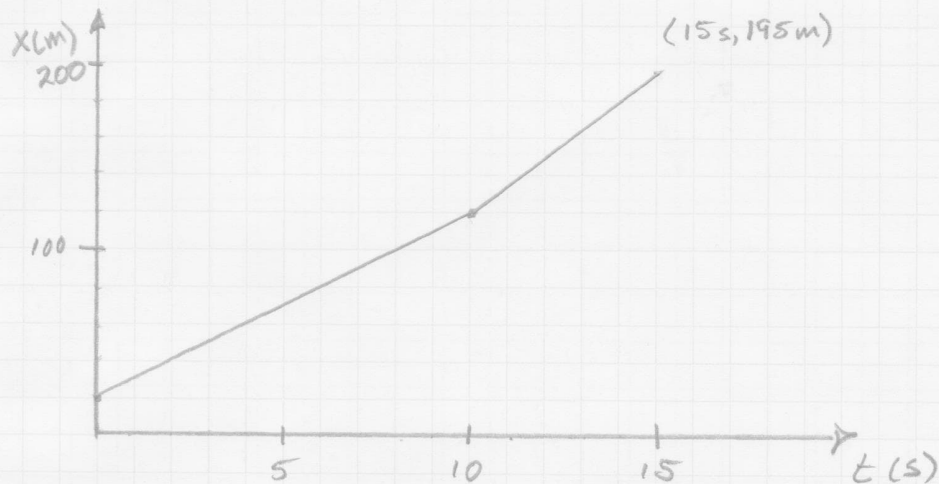
$$d = 50 \text{ m}$$

b)

$$d = (10 \text{ m/s})(10 \text{ s}) + (15 \text{ m/s})(5 \text{ s})$$

$$d = 175 \text{ m}$$

3. $X_{\bar{t}} = 20 \text{ m}$



4.

