P #L

Ch 2 Worksheet

a) $\Delta V_{0-5} = 0\ m/s - 10\ m/s = -10\ m/s$

$t_{0-5} = 5\ sec$

$$a_{0-5} = \frac{\Delta V}{t} = \frac{-10\ m/s}{5\ sec}$$

$$\boxed{a_{0-5} = -2\ m/s^2}$$

b) $\Delta V_{5-10} = -10\ m/s - 0\ m/s = -10\ m/s$

$t_{5-10} = 5\ sec$

$$a_{5-10} = \frac{\Delta V}{t} = \frac{-10\ m/s}{5\ sec}$$

$$\boxed{a_{5-10} = -2\ m/s^2}$$