## ANSWERS THE MOVING MAN 2

**QUESTION 1** 

a) In the first 5 seconds, the moving man displacement is  $\Delta x$  = 5 s x 2 m/s = 10 m

Therefore, his new position is  $x_f=-12 + 10 = -2 \text{ m}$ He stops for 2 seconds, so when t = 7 s, his position is still x = -2 m When he moves again, his displacement is  $\Delta x = 3 \text{ s x } (-3) \text{ m/s} = -9 \text{ m}$ His final position, after 10 s, is -2 + (-9) = -11 m b)



## **QUESTION 2**



