Problem 1 part 7

The mean squared displacement at any instant can be approximated to the time step at that instant   (By observation we see that the graph for mean squared displacement is roughly $y = x$)

Therefore,

$$< x_i^2(t) >= t$$
$$\text{Since } < x_i^2(t) >= 2Dt$$
$$D = \frac{1}{2}$$