

## 'A Climate Aware Citizen'

a)  $t = 18, E = 3.63(3 \text{ s. f.}), t = 22, E = -2.45(3 \text{ s. f.})$

The sign switches thus the emissions must be zero in this period.

b)  $t_0 = 18, t_1 = 19.8129, t_2 = 20.2682, t_3 = 20.3773$

$t_4 = 20.4031, t_5 = 20.4092, t_6 = 20.4107$

$t_5 = t_6$  to 2 decimal places, thus  $t = 20.41$  months (2 d.p. )