



After how many seconds was the acceleration zero?

Here is a velocity-time graph of a particle for 24 seconds

Work out an estimate of the distance travelled in the first 8 seconds?

Is your answer to the distance travelled an over-estimate or an under-estimate?  
Explain your answer

Solve the simultaneous equations

$$y = x^2 + x + 2$$

$$x + 3y = 38$$

Solve

$$2x^2 + 3x - 2 \leq 0$$