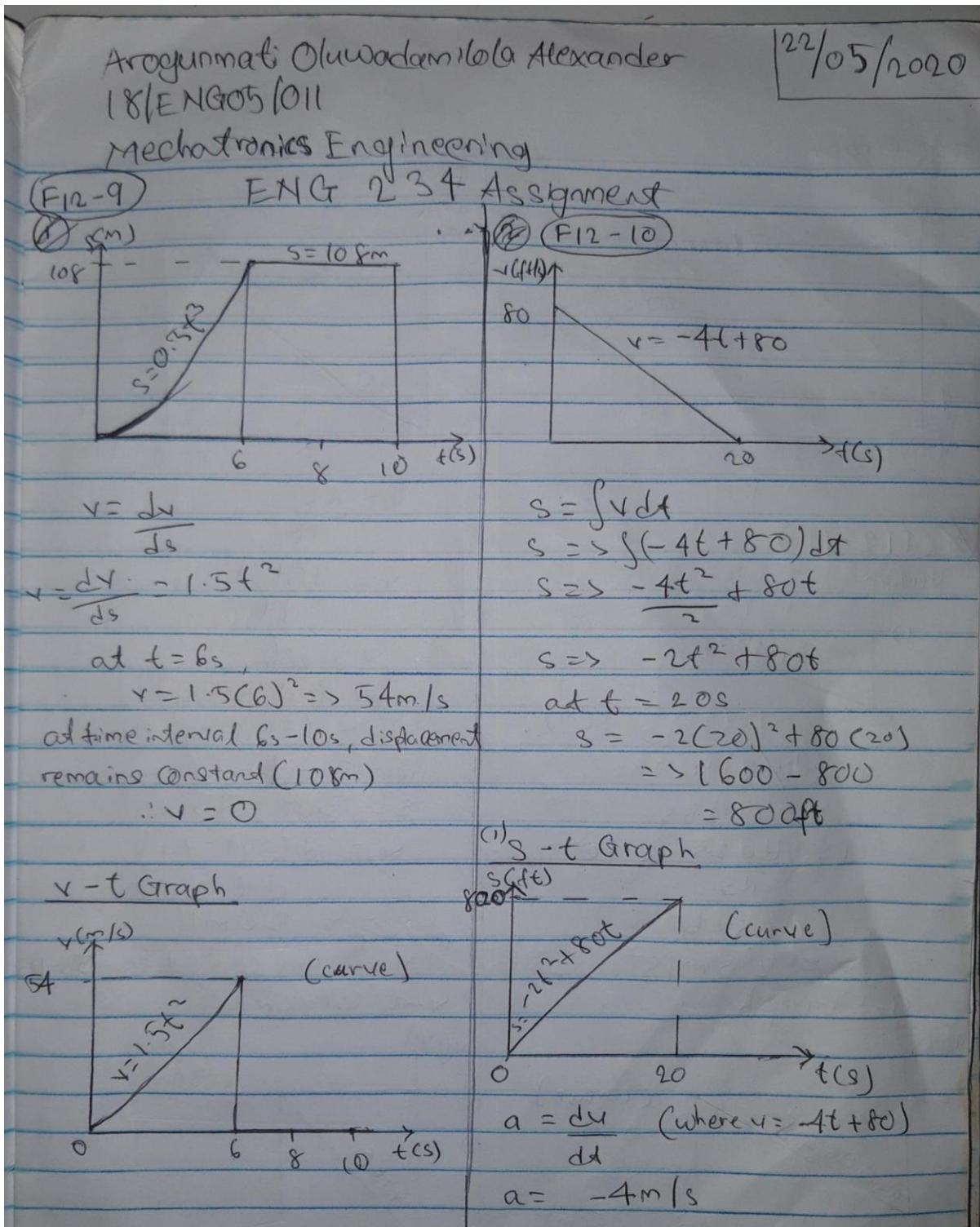
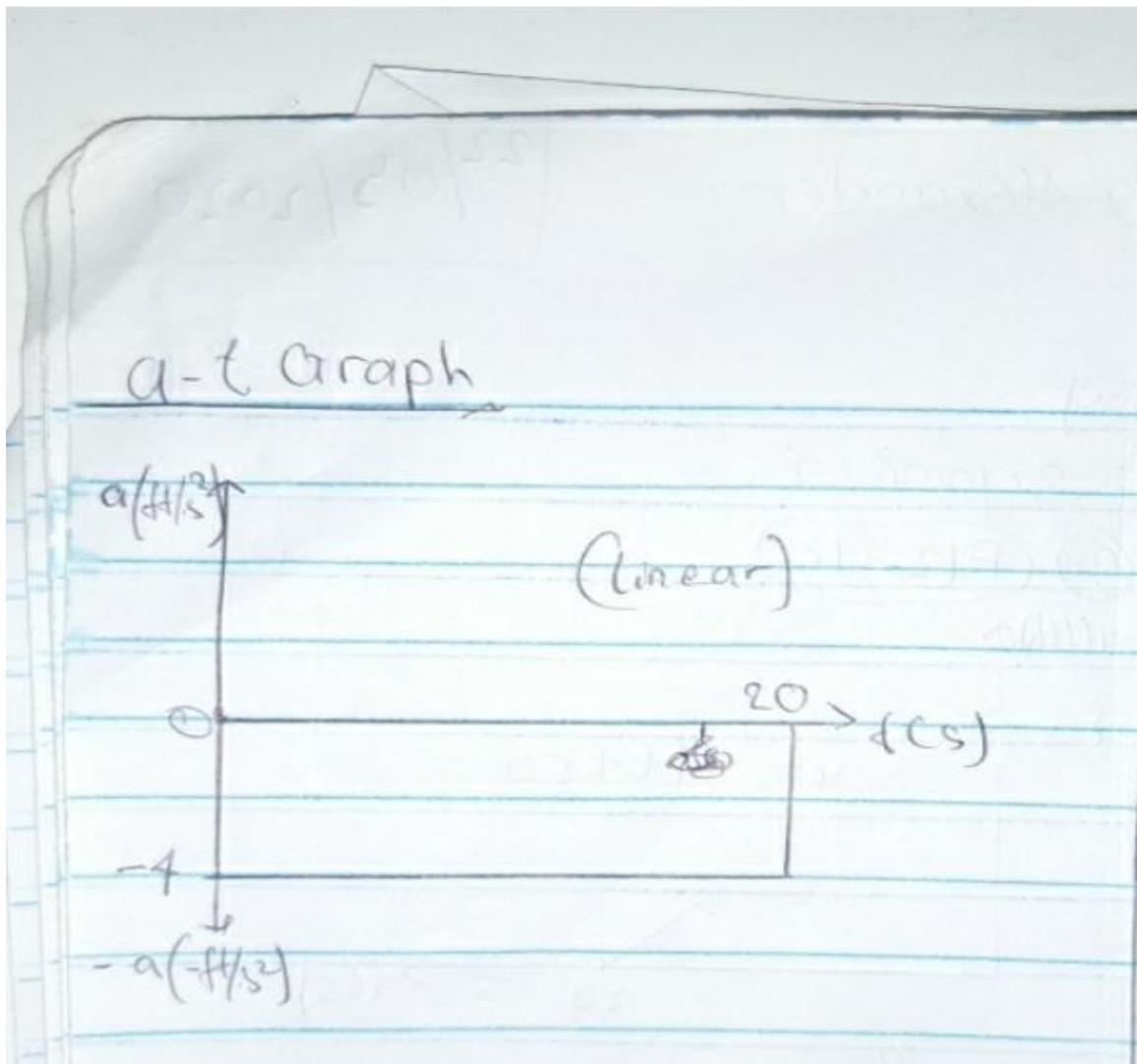


F12-9 and F12-10 Solution



a-t Graph For F12-10



F12-11 Solution

(28) F12-11

$v \text{ (m/s)}$

10

$t = 0.25s$

0

40

$s \text{ (m)}$

$$a = \left(\frac{dv}{ds} \right) v$$

$$v = 0.25s$$

$$a = \left(\frac{d0.25}{ds} \right) \times 10$$

$$a = 0.25 \times 10$$

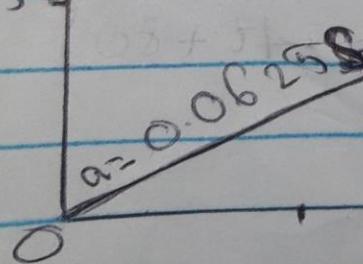
$$a = 2.5 \text{ m/s}^2$$

a-s Graph

$a \text{ (m/s}^2)$

2.5

(Linear)



40

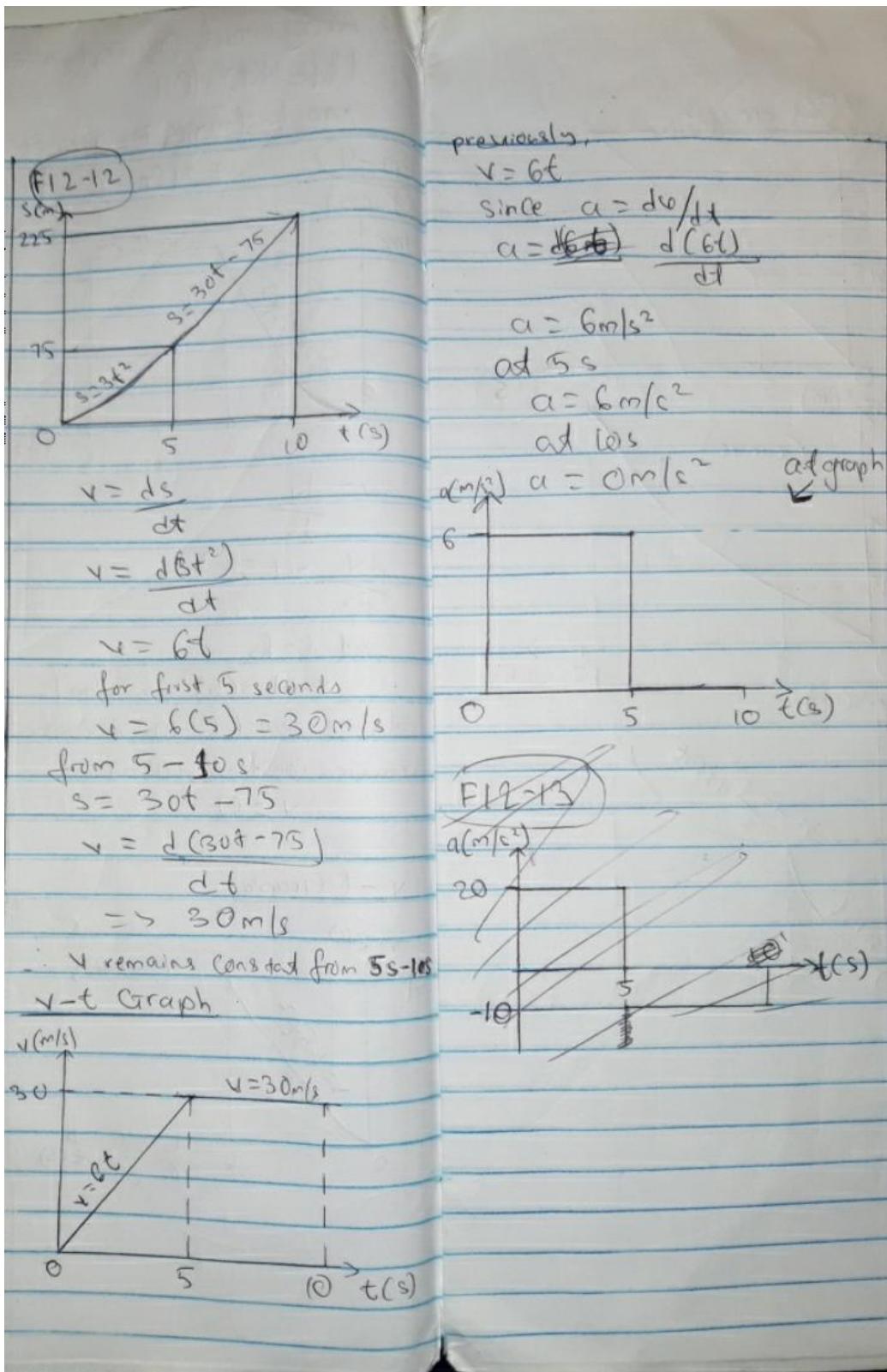
$s \text{ (m)}$

$$a = \left(\frac{dv}{ds} \right) v$$

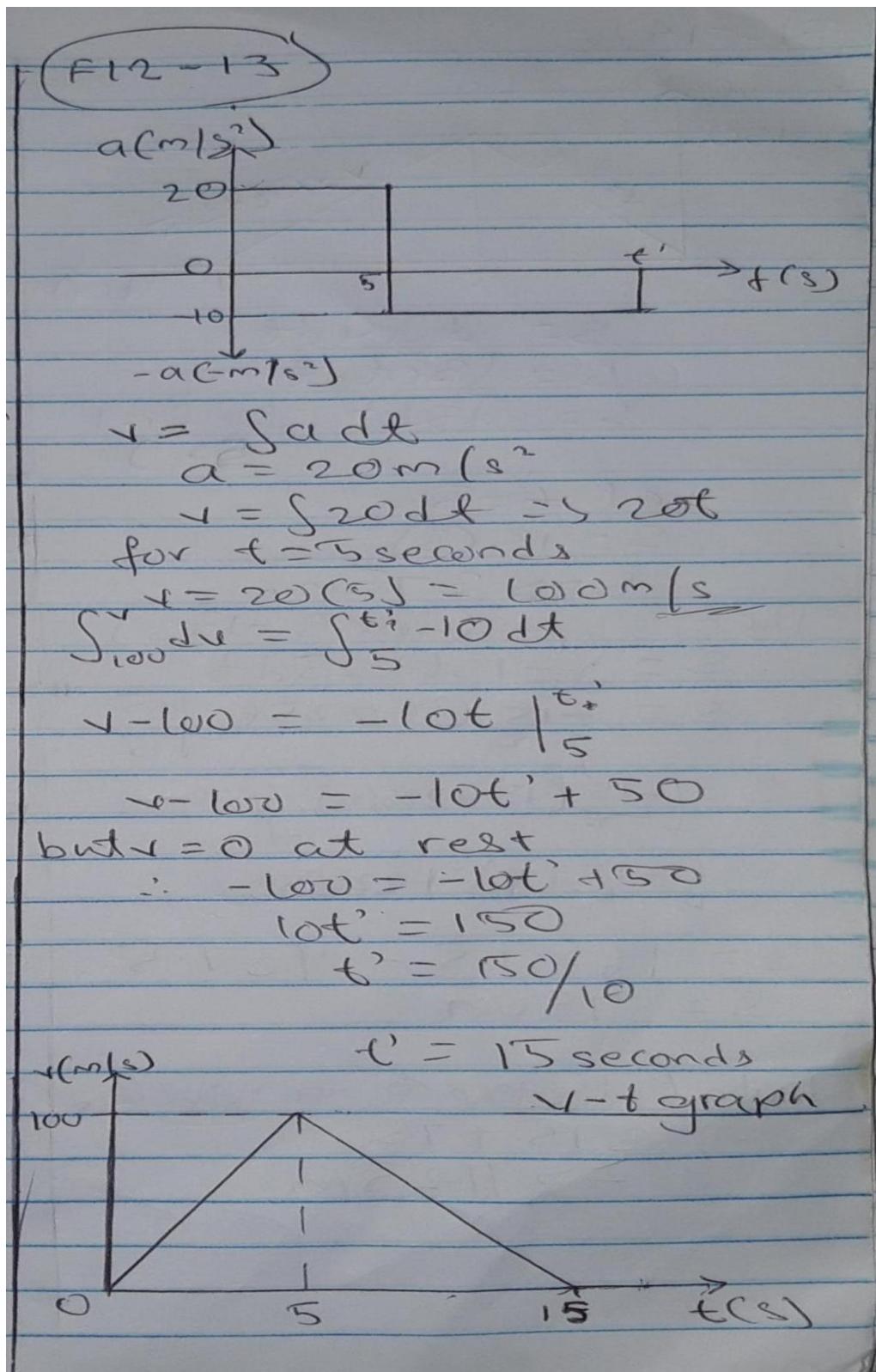
$$= 0.25 \times 0.25s$$

$$a = 0.0625s$$

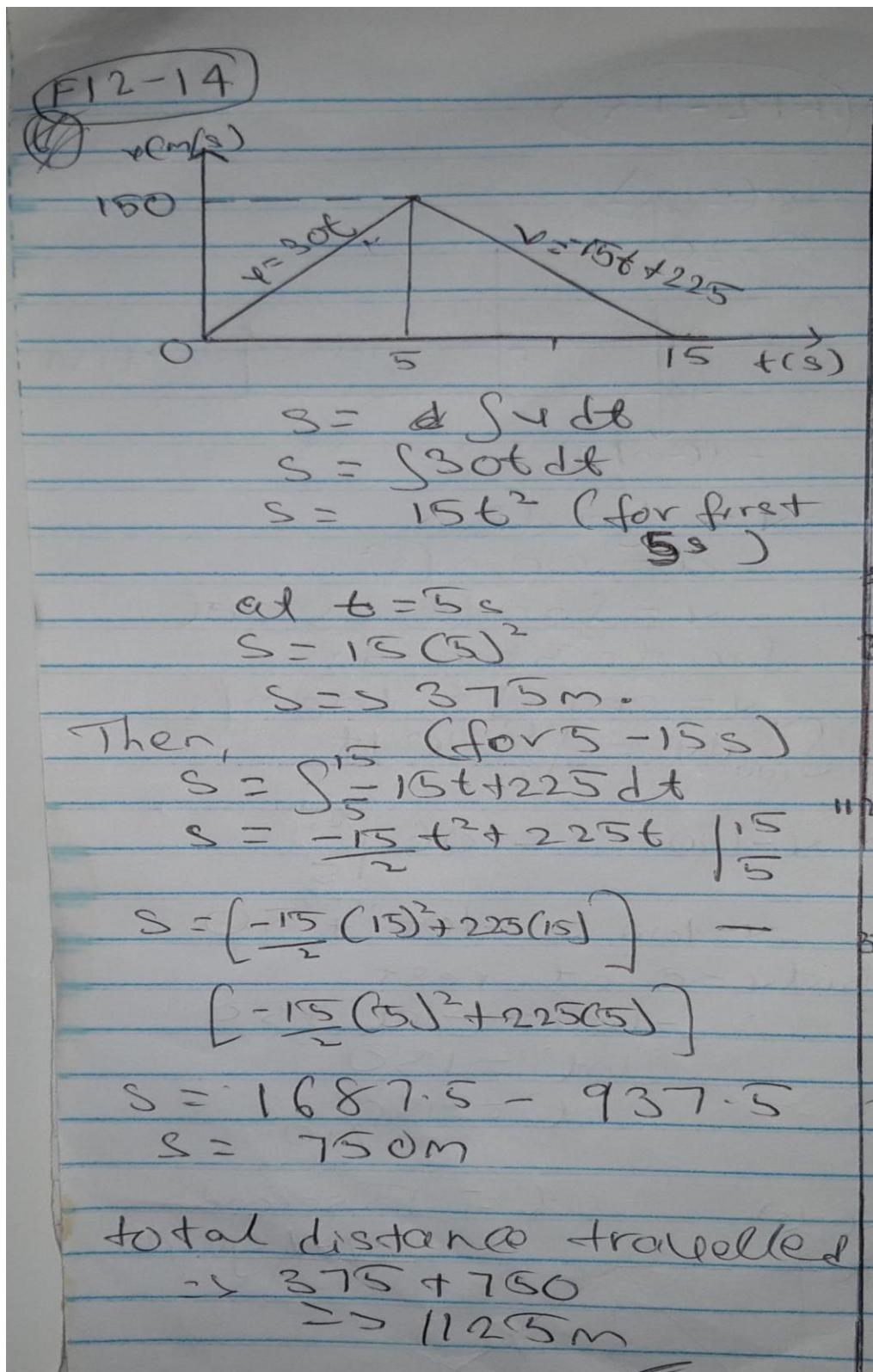
F12-12 Solution



F12-13 Solution



F12-14 Solution



F12-14 S-t Graph

