

Part B

Future Profit will be in the ratio

$$t:A = 1:2$$

So Future Income calculations will be a multiple of $t + 2A$

eg $FI = k(t + 2A)$

eg I will use $FI = 10000t + 20000A$ as this is similar numbers to the original \Rightarrow ... can use this

or I will use $FI = 1t + 2A$ for the purpose of this analysis.

Point	t	A	$I = 1t + 2A$
A	30	45	$30 + 90 = 120$
B	60	30	$60 + 60 = 120$
C	80	10	$80 + 20 = 100$
D	30	10	$30 + 20 = 50$

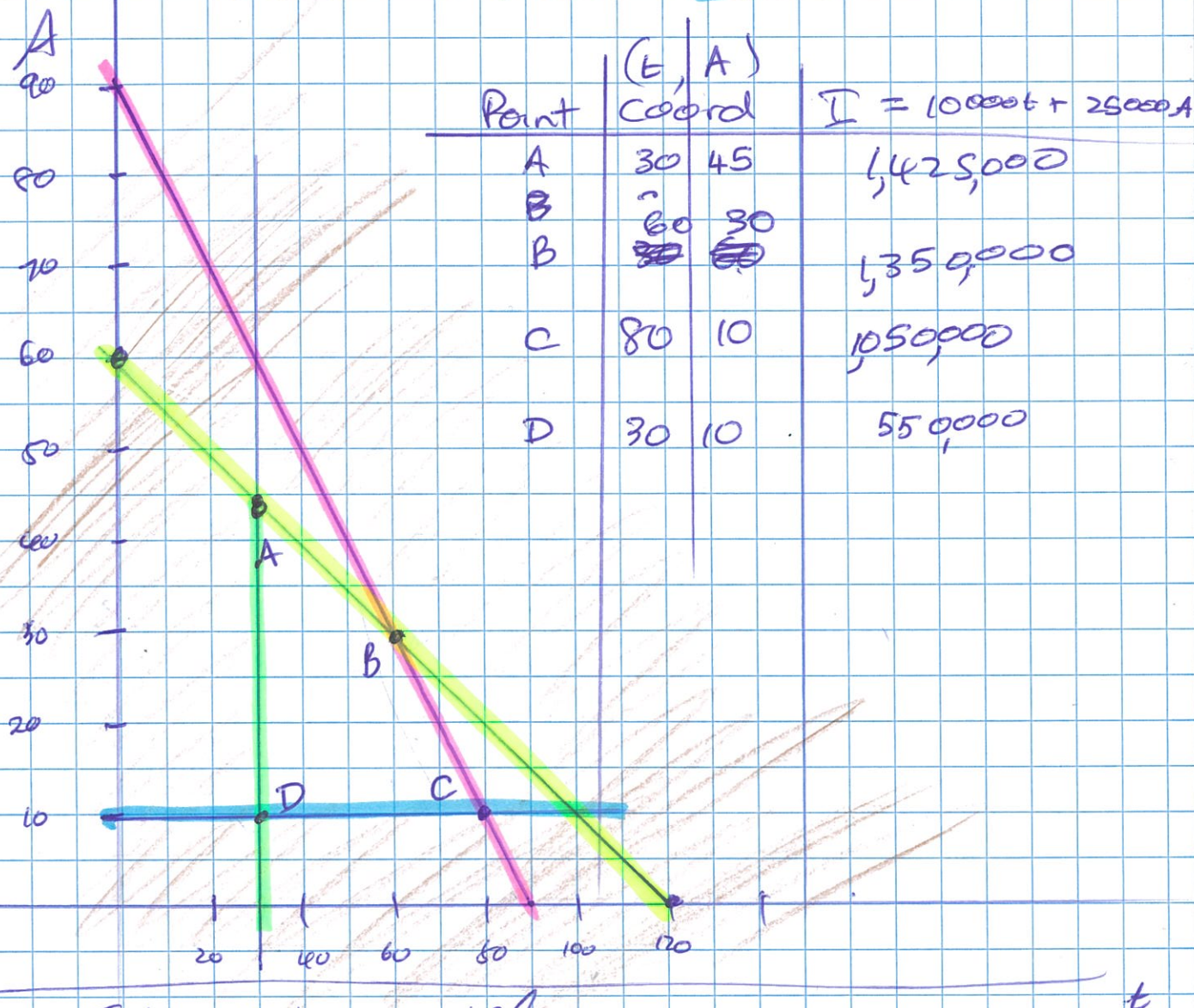
* In this case both points A and B marked on my graph will give the same profit. These two points are on the line $10t + 20A = 1200$ which has gradient $m = \frac{-a}{b} = \frac{-10}{20} = -\frac{1}{2}$. This is parallel to the future income line is also $-\frac{1}{2}$.

Teds Toms

Part A

t = how many hectares of Tomatoes
 A = " " " " Artichokes

Labour $10t + 20A \leq 1200$
 Area $t + A \leq 90$
 Contract $t \geq 30$ $A \geq 10$



Future Future cont'd
 \Rightarrow This means that there will be multiple solutions along the line $10t + 20A = 1200$ between $t = 30$ and 60 Hectares of tomatoes and A is between 30 and 45 Hectares of Artichokes. An example of a possible solution is ...