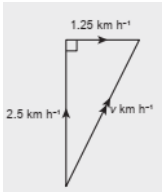
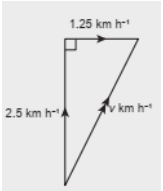
ERRATA

Title : Top Class Additional Mathematics Form 4 (2021)
Book Code : IC094131
Author : Chew Su Lian, Norizah Rahmat, Tan Soon Chen

Page number and section	**Error**	**Correction**
pg18 topical exercise no.3 (a)	(a) The product of $3x$ and $(x + 2)$ is $(-x + 12)$. Find the values of x. Give your answers correct to three decimal places. *Hasil tambah* $3x$ *dan* $(x + 2)$ *ialah* $(-x + 12)$. *Cari nilai-nilai x. Berikan jawapan anda betul kepada tiga tempat perpuluhan.*	(a) The product of $3x$ and $(x + 2)$ is $(-x + 12)$. Find the values of x. Give your answers correct to three decimal places. *Hasil darab* $3x$ *dan* $(x + 2)$ *ialah* $(-x + 12)$. *Cari nilai-nilai x. Berikan jawapan anda betul kepada tiga tempat perpuluhan.*
pg69 topical exercise no.11 Example, (a), (b)	Example The sum of the first n terms of an arithmetic progression is given by $S_n = 3 - 8n$. Find the first term and the common difference. *Hasil tambah n sebutan pertama suatu janjang aritmetik diberi oleh* $S_n = 3 - 8n$. *Cari sebutan pertama dan beza sepunya.* $a = T_1 = S_1 = 3 - 8(1) = -5$ $T_n = S_n - S_{n-1}$ $T_2 = S_2 - S_1$ $= [3 - 8(2)] - (-5)$ $= -8$ $d = T_2 - T_1$ $= -8 - (-5)$ $= -3$	Example The sum of the first n terms of an arithmetic progression is given by $S_n = -\frac{7}{2}n - \frac{3}{2}n^2$. Find the first term and the common difference. *Hasil tambah n sebutan pertama suatu janjang aritmetik diberi oleh* $S_n = -\frac{7}{2}n - \frac{3}{2}n^2$. *Cari sebutan pertama dan beza sepunya.* $a = T_1 = S_1 = -\frac{7}{2}(1) - \frac{3}{2}(1)^2 = -5$ $T_n = S_n - S_{n-1}$ $T_2 = S_2 - S_1$ $= [-\frac{7}{2}(2) - \frac{3}{2}(2)^2] - (-5)$ $= -8$ $d = T_2 - T_1$ $= -8 - (-5)$ $= -3$
	(a) The sum of the first n terms of an arithmetic progression is given by $S_n = 1 + 4n^2$. Find the 11^{th} term. *Hasil tambah n sebutan pertama suatu janjang aritmetik diberi oleh* $S_n = 1 + 4n^2$. *Cari sebutan ke*-11.	(a) The sum of the first n terms of an arithmetic progression is given by $S_n = 4n^2$. Find the 11^{th} term. *Hasil tambah n sebutan pertama suatu janjang aritmetik diberi oleh* $S_n = 4n^2$. *Cari sebutan ke*-11.
	(b) The sum of the first n terms of an arithmetic progression is given by $S_n = 2 - 5n + n^2$. Find the 5^{th} term and the common difference. *Hasil tambah n sebutan pertama suatu janjang aritmetik diberi oleh* $S_n = 2 - 5n + n^2$. *Cari sebutan ke*-5 *dan beza sepunya.*	(b) The sum of the first n terms of an arithmetic progression is given by $S_n = -5n + n^2$. Find the 5^{th} term and the common difference. *Hasil tambah n sebutan pertama suatu janjang aritmetik diberi oleh* $S_n = -5n + n^2$. *Cari sebutan ke*-5 *dan beza sepunya.*

pg123 topical exercise no.18 Example	Example The current of a river is flowing parallel to its bank with a velocity of 1.25 km h^{-1}. A swimmer is swimming at 2.5 km h^{-1} perpendicularly to the river bank across the river. Calculate *Arus sungai mengalir selari dengan tebing sungai dengan halaju* 1.25 km h^{-1}. *Seorang perenang berenang secara berserenjang kepada tebing sungai itu dengan halaju* 2.5 km h^{-1}. *Hitung* (i) the magnitude of the resultant velocity of the swimmer in km h^{-1}, *magnitud halaju paduan perenang itu dalam* km h^{-1}, (ii) the time taken, in hour, if the width of the river is 200 m. *masa yang diambil, dalam jam, jika lebar sungai itu ialah* 200 m. Assuming the direction of the water current is along the positive *x*-axis and the direction of the swimmer is along the positive *y*-axis. The magnitude of the water current = 1.25 km h^{-1} The magnitude of the swimmer = 2.5 km h^{-1} Let *v* km h^{-1} represents the resultant velocity of the swimmer. $\underset{\sim}{v} = 1.25\,\underset{\sim}{i} + 2.5\,\underset{\sim}{j}$  (i) $\lvert\underset{\sim}{v}\rvert = \sqrt{1.25^2 + 2.5^2}$ = 2.795 km h^{-1} (ii) Time taken / *Masa diambil* $= \dfrac{\text{Displacement / } Sesaran}{\text{Velocity / } Halaju}$ $= \dfrac{0.2}{2.795}$ ← 200 m = 0.2 km = 0.07156 hour / *jam*	Example The current of a river is flowing parallel to its bank with a velocity of 1.25 km h^{-1}. A swimmer is swimming at 2.5 km h^{-1} perpendicularly to the river bank across the river. Calculate *Arus sungai mengalir selari dengan tebing sungai dengan halaju* 1.25 km h^{-1}. *Seorang perenang berenang secara berserenjang kepada tebing sungai itu dengan halaju* 2.5 km h^{-1}. *Hitung* (i) the time taken, in hour, if the width of the river is 200 m. *masa yang diambil, dalam jam, jika lebar sungai itu ialah* 200 m. (ii) the magnitude of the resultant velocity of the swimmer in km h^{-1}, *magnitud halaju paduan perenang itu dalam* km h^{-1}, (i) Time taken / *Masa diambil* $= \dfrac{\text{Displacement / } Sesaran}{\text{Velocity / } Halaju}$ $= \dfrac{0.2}{2.5}$ ← 200 m = 0.2 km = 0.08 hour / *jam* (ii) Assuming the direction of the water current is along the positive *x*-axis and the direction of the swimmer is along the positive *y*-axis. The magnitude of the water current = 1.25 km h^{-1} The magnitude of the swimmer = 2.5 km h^{-1} Let *v* km h^{-1} represents the resultant velocity of the swimmer. $\underset{\sim}{v} = 1.25\,\underset{\sim}{i} + 2.5\,\underset{\sim}{j}$  $\lvert\underset{\sim}{v}\rvert = \sqrt{1.25^2 + 2.5^2}$ = 2.795 km h^{-1}