Tugas Matematika

No. Livia Boen 10 IPS 1 / 10. LK1

12. A. a. 100 m kain I -> 5000 . 100 = 500.000 + 50.000 = 550.000.

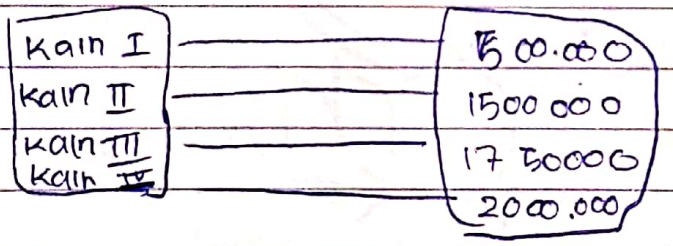
b. 100 m kain II -> 15000 . 100 = 1500.000 + 150000 = 1650 000

c. 100 m kain III -> 17500 x100 = 1750000 + 175000 = 1750000

d. 100 m kain IV -> 20000 x100 = 2000 000 + 200.000 = 2200 000

Total = 550000 + 1650000 + 1750 000 + 2200.000
=> 6.325. 000

B.



C. Fungsi Objektif

13. Cara ->

Kel : P + x + P

$30 = 2P + x + \frac{1}{2} \cdot 2\pi r$

$30 = 2P + x + \frac{1}{2} \cdot 2\pi \cdot \frac{1}{2} x$

$30 = 2P + x + \frac{\pi x}{2}$ .2

$60 = 4P + 2x + \pi x$

$60 = 4P + x(2 + \pi)$

$60 - x(2+\pi) = 4P$

$\frac{60 - x(2+\pi)}{4} = P$

No.

$= p \times l + \frac{1}{2} \cdot \pi \cdot r^2$

$L+ = \frac{60 - x(2+\pi)}{4} \cdot x + \frac{1}{2} \cdot \pi \left(\frac{1}{2}\right)^2$

$L+ = \frac{60 - x(2+\pi)}{4} \cdot x + \frac{1}{2} \cdot \pi \frac{1}{4}$

$L+ = \frac{60x - x^2(2+\pi)}{4} + \frac{1}{8}\pi$

$L+ = \frac{120x - 2x^2(2+\pi)}{8} + \frac{\pi}{8}$

$L+ = \frac{120x - 4x^2 - 2x^2\pi + \pi}{8}$

$L+ = \frac{-4x^2 - 2x^2\pi + 120x + \pi}{8}$

$L+ = \frac{-2x^2(2+\pi) + 120x + \pi}{8}$ ← Jawabannya

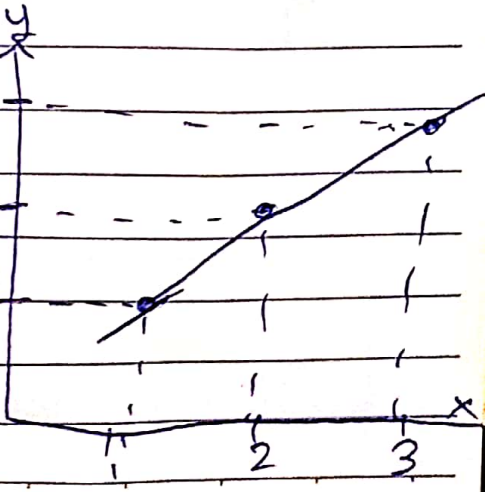
15. Cara : $P \rightarrow Q$ | $Q^3 = 27$ | $Q = 3$

$Q^P = 27$ | $Q = \sqrt[3]{27}$ | $n(Q) = 3$

16. a. $F(x) = 450\,000x + 250000$

b.

x	1	2	3
		1150000	1600000
Y	700000		



No.

C. $450\,000x + 250.000 = 1600.000$

$450.000x = 1600.000 - 250000$

$450\,000x = 1350000$

$x = \frac{1350000}{450000} = 3$

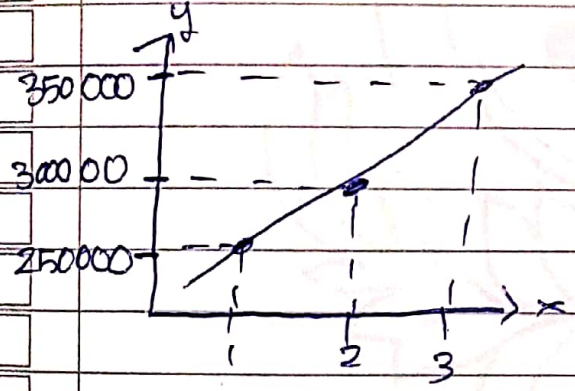
D. $450000.5 + 250\,000$

$2250000 + 250000 = 2500\,000$

17. a. $F(x) = 50.000x + 200.000$

b.

x	1	2	3
y	25 000	300 000	350000



C. $F(10) = 50000.10 + 200000 = 700\,000$

d. $F(6) = 50000.30 + 200\,000 = 1700000$

e. $50.000x + 200\,000 = 800\,000$

$50.000x = 600.000$

$x = 12$

18. Cara: $343 : 7 = 49$

$4 \times 49 = 196$ M.