

Answers

1.

- a. Callout fee of R200
- b. Hourly amount for gardening. It is the variable amount because it will change depending on how many hours are worked.
- c. $200 + 3 \times 50 = R350$
- d. $y = 200 + 50x$
- e. Table:

Hours (x)	0	1	2	3	4	5	6
Cost in R (y)	200	250	300	350	400	450	500

- f. The cost (y) is the dependent variable as it depends on the number of hours worked. It will change according to the time.
- g. Graph:



- h. The callout fee is charged on arrival, so even with 0 hours of work, a client would pay R200. The graph must start on 200 and not 0.
- i. The graph is a straight line because the cost increases at a constant rate – R50 for every hour.
- j. No – although it is a straight-line increasing graph, the graph does not start at the origin and the variables do not increase by the same percentage.

2.

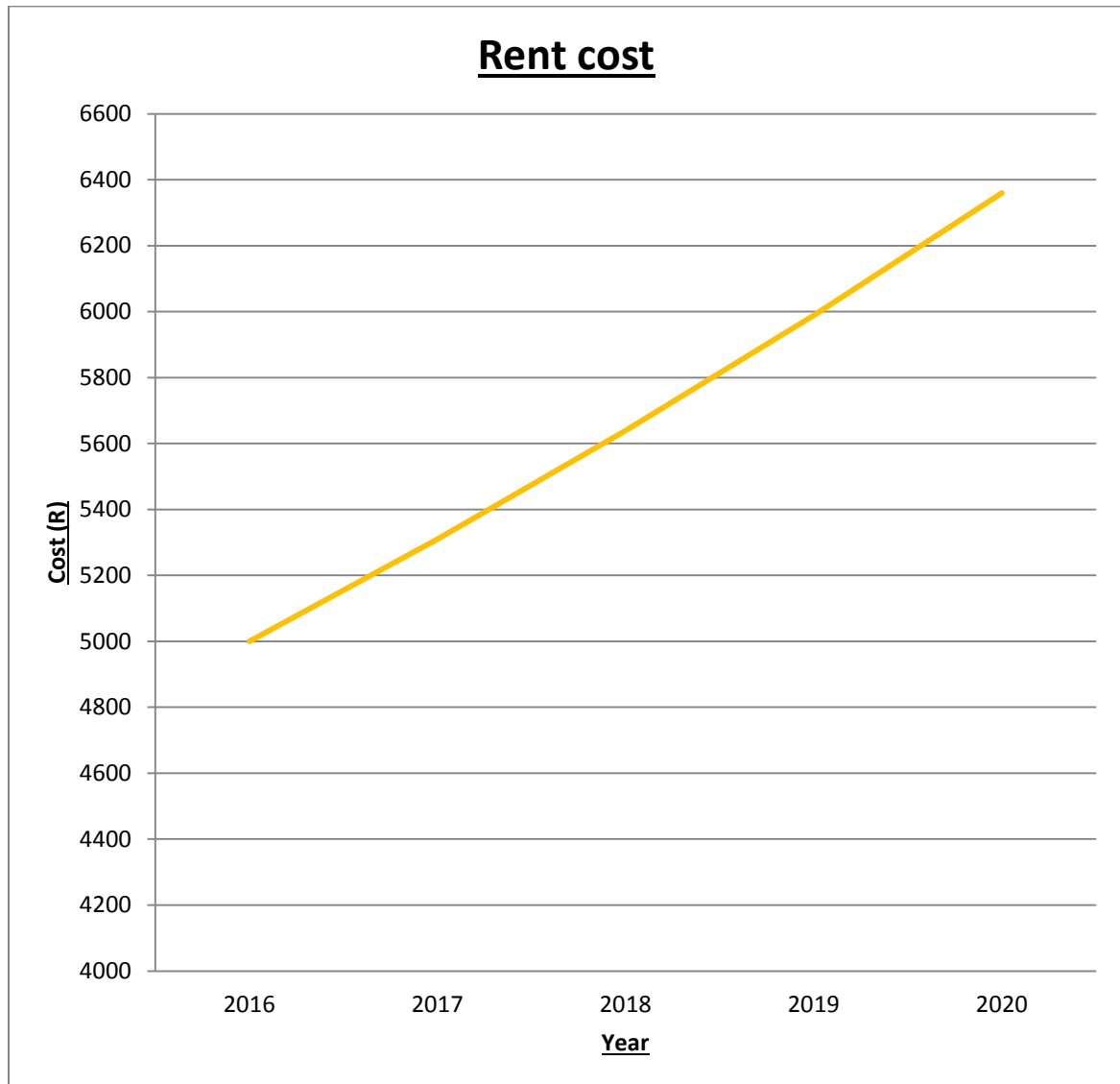
a. Table:

Year	2016	2017	2018	2019	2020
Rent (R)	5 000	5 310	5 639.22	5 988.85	6 360.16

b. $6\,360,16 - 5\,000 = R1\,360,16$

c. $5\,000 + (4 \times 310) = R6\,240$

d. Graph:



e. Constant ratio. The graph is curved which indicates a constant ratio. Each year the increase is calculated as a percentage of the latest rent rather than of the original rent. It does not increase by the same amount each year (this would be a constant rate).