RATU NAVULA COLLEGE

YEAR 12 MATHEMATICS - WORKSHEET 2

STRAND 1: BASIC MATHEMATICS

FY12CE 2018

- 1. When simplified $(4^3)^2$ is equal to
 - A 4
 - B. 4⁶
 - C. 4^9
 - D. 4³²
- 2. The expression log 10 log 5 can be simplified to
 - A. log 2
 - B. log 5
 - C. log 15
 - D. log 50
- 3. 2 + 3 in modulo 4 is equal to
 - A. 0
 - B. 1
 - C. 2
 - D. 3
- 4. Sally purchased a laptop on hire purchase.



She paid \$100 deposit and 24 monthly payments of \$30. Calculate the total amount she paid for the laptop.

- 5. Simplify $\frac{6}{\sqrt{7}+1}$ by rationalizing the denominator.
- 6. Simplify $\frac{25^{x-1}}{5^x}$
- 7. Show that the operation table for the set $\{0, 1, 2\}$ and the operation * represents a group.

*	0	1	2
0	0	1	2
1	1	2	0
2	2	0	1