Substitution 2.

Example: If $a = 5$, $b = 4$ and $c = 2$, find the value of a) a^2 b) $2b^2$ c) c^3

a) $a^2 = 5^2 = 5 \times 5 = 25$
b) $2b^2 = 2 \times 4^2 = 2 \times 16 = 32$
c) $c^3 = 2^3 = 8$

Find the value of each of the following if a = 4, b = 2 and c = 3.

1. c^2
2. a^3
3. $3b^2$
4. $3c^2$
5. c^4
6. $3a^2 - c^3$
7. $5b^2 - 7$
8. $25 - 6b^2$
9. $4a^2 + 1$
10. $c^3 + a^3$
11. $2a^2 - 11$
12. $3c^3 - 7$
13. $a^2 + c^2 - b^2$
14. $\frac{c^2 + c^3}{a^2 + b}$