

SECTION 1

1. $a^2 \cdot a^4 =$

2. $a^3 \cdot a =$

3. $a^3 \cdot a \cdot a^4 =$

RULE: $a^m \cdot a^n =$

SECTION 2

4. $(a^2)^{3n} =$

5. $(a^3)^2 =$

6. $(a^2)^4 =$

RULE: $(a^m)^n =$

SECTION 3

7. $(a \cdot b)^3 =$

8. $(a \cdot b)^5 =$

9. $(a \cdot b)^4 =$

RULE: $(a \cdot b)^n =$

SECTION 4

10. $\frac{a^6}{a^2} =$

11. $\frac{a^4}{a} =$

12. $\frac{a^3}{a^2} =$

RULE: $\frac{a^m}{a^n} =$

SECTION 5

13. $\left(\frac{a}{b}\right)^3 =$

14. $\left(\frac{a}{b}\right)^5 =$

15. $\left(\frac{a}{b}\right)^6 =$

RULE: $\left(\frac{a}{b}\right)^n =$