Multiplication Property of Exponents



Simplify.

1) $5x^2 \times 4yx^4 =$

2) $8x^7 \times x^5 \times x =$

3) $3x^2 \times 4yx^3 =$

4) $5y^4x^2 \times 3y^3x^4 =$

5) $4^3 \times 4 =$

6) $3y^7x^4 \times 4y^3x^4 =$

7) $5x^4 \times x^6 \times x =$

8) $(2x^3)^2 =$

9) $8y^7x^2 \times 3y^4x^3 =$

10) $6^6 \times 6 =$

11) $(10x^3)^2 =$

12) $8^4 \times 8^6 =$

13) $10^5 \times 10 =$

14) $3x^2 \times x^3 \times x =$

15) $9y^2x^4 \times 4y^2x^4 =$

16) $(8x^6)^2 =$

17) $2x^2 \times 3yx^6 =$

18) $11^7 \times 11^4 =$

19) $3^7 \times 3 =$

20) $8^3 \times 8 =$

21) $9x^4 \times 3yx^5 =$

22) $8x^5 \times 2yx^4 =$

Answers of Multiplication Property of Exponents

Simplify.

1) $5x^2 \times 4yx^4 = 20yx^6$

2) $8x^7 \times x^5 \times x = 8x^{13}$

3) $3x^2 \times 4yx^3 = 12yx^5$

4) $5y^4x^2 \times 3y^3x^4 = 15y^7x^6$

5) $4^3 \times 4 = 4^4$

6) $3y^7x^4 \times 4y^3x^4 = 12y^{10}x^8$

7) $5x^4 \times x^6 \times x = 5x^{11}$

8) $(2x^3)^2 = 4x^6$

9) $8y^7x^2 \times 3y^4x^3 = 24y^{11}x^5$

10) $6^6 \times 6 = 6^7$

11) $(10x^3)^2 = 100x^6$

12) $8^4 \times 8^6 = 8^{10}$

13) $10^5 \times 10 = 10^6$

14) $3x^2 \times x^3 \times x = 3x^6$

15) $9y^2x^4 \times 4y^2x^4 = 36y^4x^8$

16) $(8x^6)^2 = 64x^{12}$

17) $2x^2 \times 3yx^6 = 6yx^8$

18) $11^7 \times 11^4 = 11^{11}$

19) $3^7 \times 3 = 3^8$

20) $8^3 \times 8 = 8^4$

21) $9x^4 \times 3yx^5 = 27yx^9$

22) $8x^5 \times 2yx^4 = 16yx^9$