



# Simplifying with Brackets and Powers

Simplify:

1.  $(x^3)^2 =$

2.  $(6x^2)^2 =$

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

4.  $(3^x)^2 =$

5.  $(4m^2)^2 =$

6.  $(5yz^2)^2 =$

7.  $(2bc^3)^5 =$

8.  $(3a^4)^3 =$

9.  $(2m^3)^4 =$

10.  $(\frac{1}{2}x^2)^2 =$



# Simplifying with Brackets and Powers

Simplify:

1.  $(x^3)^2 =$

2.  $(6x^2)^2 =$

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

4.  $(3^x)^2 =$

5.  $(4m^2)^2 =$

6.  $(5yz^2)^2 =$

7.  $(2bc^3)^5 =$

8.  $(3a^4)^3 =$

9.  $(2m^3)^4 =$

10.  $(\frac{1}{2}x^2)^2 =$



# Simplifying with Brackets and Powers **Answers**

1.  $x^6$

2.  $36x^4$

3.  $x^{10}$

4.  $3^{2x}$

5.  $16m^4$

6.  $25y^2z^4$

7.  $32b^5c^{15}$

8.  $27a^{12}$

9.  $16m^{12}$

10.  $\frac{1}{4}x^4$