Fill In The Blanks…

**Simplifying Expressions with Brackets/Powers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Question** | **Write Each Term Separately to the Power** | **Simplify Each Term** | **Answer** |
| $$(3a)^{2}$$ | $$3^{2}×a^{2}$$ | $$9×a^{2}$$ | $$9a^{2}$$ |
| $$(6b)^{2}$$ | $$6^{2}×b^{2}$$ |  |  |
| $$(2b)^{3}$$ | $$2^{3}×b^{3}$$ |  |  |
| $$(ab)^{4}$$ |  |  |  |
| $$(4a^{2})^{3}$$ | $$4^{3}×(a^{2})^{3}$$ |  |  |
| $$(2b^{3})^{4}$$ |  |  |  |
| $$(2ab)^{4}$$ | $$2^{4}×a^{4}×b^{4}$$ |  |  |
| $$(5ab^{2})^{2}$$ |  |  |  |
| $$(a^{2}b^{3})^{3}$$ |  |  |  |
| $$(3a^{2}b)^{3}$$ |  |  |  |
| $$(4a^{3}b^{4})^{2}$$ |  |  |  |
| $$(5a^{4}b)^{3}$$ |  |  |  |
| $$(7a^{2}b^{5})^{2}$$ |  |  |  |
| $$(a^{2}b^{4}c)^{3}$$ |  |  |  |
| $$(3a^{4}b^{3})^{4}$$ |  |  |  |
| $$(2a^{3}b^{2}c^{4})^{5}$$ |  |  |  |