**Properties of Exponents**

Multiply Monomials Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Exponent(power):

Base:

Coefficient:



**Multiply Monomials**

|  |  |  |  |
| --- | --- | --- | --- |
| **Product of powers** | **Expanded product** | **Product as a single power** | **Explanation** |
|  |  |  | When you multiply 2 “x”s together times 3 “x”s that are multiplied together, you get 5 “x”s multiplied together which is |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Simplify.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1. |  | 2. |  | 3. |  | |
| 4. |  | 5. |  | 6. |  | |
| 7. |  | 8. |  | 9. |  | |
|  | | | | | |
| 10. |  | 11. |  | 12. |  | |
| 13. |  | 14. |  | 15. |  | |
| 16. |  | 17. |  | 18. |  | |
| 19. |  | 20. |  | 21. |  | |
| 22. |  | 23. |  | 24. |  | |
| 25. |  | 26. |  | 27. |  | |
|  | | | | | |
|  |  |  |  |  |  | |