Name\_\_\_\_\_\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_\_\_\_\_\_

Advanced Algebra

Unit 3: Exponential, Log, and Power Function

Common Assessment- Exponent Quiz

**Do not leave Negative Exponents Put in simplest form**

|  |  |
| --- | --- |
| 1) $x^{3}\*x^{4}$ | 2) 2x2 \* 3x2 |
| 3) $\frac{1}{ x^{-2}}$ | 4) (3x2) -3 |
| 5) $\frac{5x^{2}y^{-3}}{10x}$ | 6) ( 3x2) 2 |

|  |  |
| --- | --- |
| 7) (ab2) 3 | 8) $ \sqrt[3]{27x^{3}}$ |
| 9) $ \frac{16x^{3}y^{-2}}{12x}$ | 10) (3x-4y5)(2x)2 |
| 11) ($\frac{a}{b}$) -1 | 12) ($\frac{1}{x}$) – 1 |
| 13) ( $\frac{3x^{4}y^{2}}{27x^{-4}y^{6}}$)0 |  |