

Name: _____
A. Zito

Date: _____
Quiz

Exponents: Multiplication & Division

Show all your work.
Simplify all your answers.
Place your final answer in the space provided.

| # | Show your work | Answer |
|----|------------------------|--------|
| 1) | $(2a)(-3b)$ | |
| 2) | $(x^2)(x^4)$ | |
| 3) | $(x^4)(y^2)$ | |
| 4) | $(a^4)(-c^3)$ | |
| 5) | $(x^2)(x^3)(x^{-1})$ | |
| 6) | $(2x^4)(-3x^{-1})$ | |
| 7) | $(5a^2)(-3b^{-1})(2c)$ | |
| 8) | $9x^2(3x^4)$ | |
| 9) | $b(b)(b^4)$ | |

| | | |
|-----|--------------------------|--|
| 18) | $\frac{-14x^{10}}{7y^4}$ | |
| 19) | $\frac{-4b^{10}}{2a^6}$ | |
| 20) | $\frac{-4c^8}{16d^{10}}$ | |
| 21) | $\frac{6a^{10}}{-3a}$ | |
| 22) | $3^2 + 3^3$ | |
| 23) | $9^2 - 2^3$ | |
| 24) | $(6^2)(6^4)$ | |
| 25) | $(9^2)(2^3)$ | |
| 26) | $\frac{10^5}{10^2}$ | |
| 27) | $2^4 + 2^3$ | |