



Section 7-2: Part 2
Practice Masters Level B
~~8A~~ **Negative and Zero Exponents**

Write each of the following without negative or zero exponents.

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| 1. $(u^{-8}v^2)^0$ _____ | 2. $-m^3n^{-4}$ _____ | 3. $(-3b^2c)^{-3}$ _____ |
| 4. $\frac{-9q^{-8}}{3w^{-3}}$ _____ | 5. $(2p^2q^{-7})^{-4}$ _____ | 6. $\left(\frac{3t}{4s^5}\right)^{-1}$ _____ |
| 7. $\frac{10h^0}{2h^{-7}}$ _____ | 8. $(x^{-6}y^{-2})^{-2}$ _____ | 9. $\frac{8^0}{(gh^2)^0}$ _____ |
| 10. $(-3v^{-5})^{-3}$ _____ | 11. $\left(\frac{2a^3}{3b^{-2}}\right)^{-3}$ _____ | 12. $w^{-4}w^5$ _____ |
| 13. $\frac{3y^{-12}}{z^{-2}}$ _____ | 14. $(-2m^{-2})^{-3}$ _____ | 15. $\frac{12p^{-11}}{4p^{-11}}$ _____ |

Evaluate each expression for $x = -2$, $y = 6$, and $z = -1$.

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|------------------------------------|--------------------------------------|--|
| 16. $\frac{x^3y^{-2}}{z}$ _____ | 17. y^3x^{-y} _____ | 18. $\frac{z^{13}y^x}{y}$ _____ |
| 19. $y^{-3}x^4z^2$ _____ | 20. $\frac{xyz}{x^{-1}z^{-5}}$ _____ | 21. $\left(\frac{y^3}{x^4z}\right)^{-3}$ _____ |
| 22. $\frac{x^3z^5}{y^{-2z}}$ _____ | 23. $(x^{-4}yz^2)^{-2}$ _____ | 24. $\frac{-3z^{-4}}{y^x}$ _____ |

Write each of the following without negative or zero exponents.

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|---|---|
| 25. $\frac{-3c^{-5}d^4f^{-1}}{-6d^{-5}d^{-4}f}$ _____ | 26. $(-13q^{-7}w^5)^{-2}$ _____ |
| 27. $\frac{-x^{-9}x^8}{-25x^4x^{-4}}$ _____ | 28. $\frac{21p^0b^{12}}{-42p^{-5}b^{12}}$ _____ |
| 29. $\left(\frac{9m^4n^7}{81m^{-1}n^3}\right)^0$ _____ | 30. $(8u^6v^2w^{-5})^{-1}$ _____ |
| 31. $\frac{8a^2b^4c^{-3}}{a^{-3}b^4c^6}$ _____ | 32. $\frac{12xy^{-5}z^8}{6x^{-1}y^5z^3}$ _____ |
| 33. $(-g^{-4}f^8h^{12})^{-3}$ _____ | 34. $\frac{99a^{-10}b^2cd^{-5}}{-11a^{-9}bc^4d^{-5}}$ _____ |
| 35. $\left(\frac{r^{-4}s^{12}t^0}{4rs^{19}t^{-5}}\right)$ _____ | 36. $(-4p^5qw^{-10})^{-2}$ _____ |