

Name: _____

Date: _____

Algebra I

Simplify each expression without zero or negative exponents.

1. $\frac{14x^6}{7x^3}$

2. $\frac{18w^3x^9}{6w^2x^3}$

3. $\frac{32x^7w^6}{8x^4w^4}$

4. $\frac{24x}{16x^4}$

5. $\frac{18x^2}{12x^7}$

6. $\frac{48x^7w^{10}}{24x^3w^3}$

7. $\frac{10x^5y^4z^3v}{5xy^3}$

8. $\frac{18y^3z^2}{6y^2}$

9. $\frac{35x^{-8}}{7x^{-4}}$

10. $\frac{4x^5}{2x^3}$

11. $\frac{12w^3x^6}{6w^2x^3}$

12. $\frac{24x^7w^6}{8x^3w^4}$

13. $\frac{14x}{16x^3}$

14. $\frac{9x^2}{12x^7}$

15. $\frac{48x^5w^9}{36x^3w^3}$

16. $\frac{10x^{-5}}{5x^{-3}}$

17. $\frac{(8x)^2}{x^{-3}}$

18. $\frac{(2x^2)^{-2}(2x^2)^{-4}}{(2x^2)^{-2}}$