

Name _____

Rational Expression Worksheet Simplifying

Simplify. Remember to factor if necessary

* what are the restrictions of your variables

1. $\frac{28x^3}{35x^5}$

3. $\frac{36y^2}{12y}$

4. $\frac{x^2 + 12x + 20}{3x + 6}$

6. $\frac{25a^3b^7}{-15a^8b^3}$

7. $\frac{5x - 15}{x^2 - 3x}$

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

10. $\frac{-16x^2y^5z}{8x^3y^2z^2}$

12. $\frac{9x + 9}{x^2 + 8x + 7}$

13. $\frac{x^2 + 3x - 28}{x^2 - 2x - 8}$

15. $\frac{36a^5b^2c^6}{42a^7b^2c^2}$