

Name: _____ Simplifying Rational Expressions with Monomials

Simplify the following rational expressions:

1. $\frac{x}{7x}$

2. $\frac{x}{15x}$

3. $\frac{x}{12x}$

4. $\frac{14x}{x}$

5. $\frac{23x}{x}$

6. $\frac{40x}{x}$

7. $\frac{5x}{20}$

8. $\frac{7x}{21}$

9. $\frac{16x}{24}$

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

11. $\frac{x^2}{11x}$

12. $\frac{x^2}{24x}$

13. $\frac{3x}{x^2}$

14. $\frac{8x}{x^2}$

15. $\frac{72x}{x^2}$

$$16. \frac{3x^2}{12x}$$

$$17. \frac{5x^2}{30x}$$

$$18. \frac{8x^3}{16x}$$

$$19. \frac{6x}{12x^2}$$

$$20. \frac{4x}{8x^2}$$

$$21. \frac{9x}{15x^2}$$

$$22. \frac{x^4}{3x^6}$$

$$23. \frac{x^6}{8x^2}$$

$$24. \frac{x^7}{13x^3}$$

$$25. \frac{3x^5}{12x^3}$$

$$26. \frac{4x^8}{20x^5}$$

$$27. \frac{18x^7}{36x^4}$$