

Rational Expressions Practice Problems

1. $\frac{35a^3b^2}{14a^4b^8}$

2. $\frac{4rs^3-16rs^2+12rs}{12r-4rs}$

3. $\frac{x^2-2x-15}{x^2-6x+5}$

4. $\frac{g^2-8g+15}{g^2-9} \cdot \frac{g^2+6g+9}{2g^2-12g+10}$

5. $\frac{m+7}{m^2+5m-14} \div \frac{m^2+4m+4}{m^2-4}$

6. $\frac{\frac{6}{n^2-9}}{\frac{4}{n-3}}$

7. $\frac{3}{t-1} - \frac{2}{t+2}$

8. $\frac{5}{x^2+6x+8} + \frac{6}{x^2-4}$

9. $\frac{x}{x+4} + \frac{2}{x-5} = \frac{x+8}{x^2-x-20}$

10. $\frac{5}{3x+5} = \frac{6}{2x+6}$