

Challenge Set - Multiplying and Dividing Rational Expressions

$$\frac{x^2 + 6x - 7}{3x^2} \cdot \frac{6x}{x + 7} \div \frac{x - 1}{4}$$

$$\frac{x^2 - 3x + 2}{x + 2} \cdot \frac{3x}{x - 2} \cdot \frac{2x + 4}{5x^2 - 5x}$$

$$\frac{1}{x^3 + 10x^2} \div \frac{x^2 - 9}{x + 3} \cdot \frac{x + 10}{x^2 + 7x + 12}$$

$$\frac{x^2 - 100}{4x^2} \cdot \frac{x^3 - 5x^2 - 50x}{x^4 + 10x^3} \div \frac{(x - 10)^2}{5x}$$