

PQ #12

MTH 1825 Practice Quiz for Multiplying and Dividing Rational Expressions

1. Multiply: $\frac{x^2 - 9x - 22}{x^2 - 4} \cdot \frac{x^2 - 2x}{x^2 - 12x + 11}$. Simplify as much as possible.

Answer: _____

2. Divide: $\frac{4x^5y}{3a^7b^2} \div \frac{8x^3y^7}{15a^3b^5}$. Simplify as much as possible.

Answer: _____

3. Divide: $\frac{3x^2 + 9x - 120}{x^2 - 11x + 30} \div \frac{12x + 72}{36 - x^2}$. Simplify as much as possible.

Answer: _____