Dividing Polynomials

1. Divide and Simplify.

$$\frac{15x^5 - 10x^2 + 5}{10x^2}$$

2. Divide and Simplify.

$$\frac{12m^4n^7 - 15m^{13}n^7}{-3m^{10}n^{12}}$$

3. Find the quotient using long division.

$$\frac{x^2 - 3x - 28}{x - 7}$$

4. Find the quotient using long division.

$$\frac{x^3 + 8x^2 + 14x - 3}{x + 3}$$

5. Find the quotient using long division.

$$\frac{3x^2 + x - 10}{x + 2}$$

6. Find the quotient using long division.

$$\frac{-10x + 13 + x^2}{-3 + x}$$

7. Find the quotient using long division.

$$\frac{25x^2 - 10}{-1 + 5x}$$