Dividing Polynomials

1. Divide and Simplify.
(similar to p.358 #16)

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

2. Divide and Simplify.
(similar to p.358 #30)

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

3. Find the quotient using long division.
(similar to p.359 #34)

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

4. Find the quotient using long division.
(similar to p.359 #36)

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

5. Find the quotient using long division.
(similar to p.359 #42)

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

6. Find the quotient using long division.
(similar to p.359 #50)

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

7. Find the quotient using long division.
(similar to p.359 #52)

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