

More Polynomials - Worksheet
*Just When You Thought It Was Safe to Get Back In
the Water*

1. Find the greatest common factor that can be cancelled from the numerator and denominator of $\frac{6x^3+12x}{6x^2+6x}$
2. Simplify $\frac{8x^3+4x^2}{4x^2+2x}$
3. Find the quotient of $\frac{x^3+3x^2+8x+10}{x+1}$
4. Is $\frac{6x^3-x}{x^2+2x-x(x+2)}$ a rational expression
5. Find the quotient of $\frac{x^4+4x^3+6x^2+16x+10}{x^2+3}$
6. Find the quotient of $\frac{3x^2+x-5}{x^2+x-5}$
7. Simplify by factoring $\frac{2x^4+6x^3+6x+2x^2}{2x^2+6x}$
8. Find the quotient $\frac{2x^3+6x^2+6x+3}{x+2}$
9. Simplify $\frac{x^2-4}{x-2}$
10. Simplify $\frac{3y^3-3y}{y-1}$

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