Long Division Worksheet

Don't Be Short with Us

Find each quotient using polynomial long division.

1. $\frac{2x^5+4x^4+6x^3+4x^2}{x^4+3x^2}$

2. $\frac{4x^3+14x^2+31x+75}{4x^2+2x+25}$

3. $\frac{-4x^4-32x^3-60x^2-12x-36}{x+3}$

4. $\frac{3x^2+19x+20}{3x+4}$

5. $\frac{x^6+6x^5+5x^4+15x+75}{x+5}$

6. $\frac{3x^3+20x^2+27x+90}{x+6}$

7. $\frac{3x^3-15x+12}{3x^2-3}$

8. $\frac{x^3+12x^2+25x+50}{x+10}$

9. $\frac{4x^2+20x+24}{4x+8}$

10. $\frac{x^3+2x^2+6x+5}{x+1}$