<u>Divide Polynomial by Monomial</u> <u>or Perform each Division</u>

$$\frac{24x^{5}+12x^{3}-18x^{2}}{6x^{2}}$$

$$\frac{3}{6x^{2}}$$

$$\frac{12x^{3}+2x^{3}-18x^{2}}{6x^{2}}$$

$$\frac{12x^{3}+2x^{3}-18x^{2}}{6x^{2}}$$

$$\frac{1}{6x^{2}}$$

$$\frac{12x^{8} + 30x^{5} - 18x^{3} + x}{-6x}$$

$$\frac{212x^{8} + 30x^{5} - 18x^{3} + x}{-6x}$$

$$\frac{-2x^{7} - 5x^{4} + 3x^{2} - \frac{1}{1}}{1}$$

$$\frac{35x^{2}-21x-7}{7}$$

$$\frac{3}{3}$$

$$\frac{35x^{2}-21x-7}{7}$$

$$\frac{3}{7}$$

$$\frac{3}{7}$$

$$\frac{3}{7}$$

$$\frac{3}{7}$$

$$\frac{3}{7}$$

$$\frac{3}{7}$$

$$\frac{-28y^{4}+12y^{2}-4y}{4y}$$

$$\frac{7}{-28y^{4}} + \frac{3}{12y^{2}} - \frac{1}{12y}$$

$$\frac{1}{12y^{2}} - \frac{1}{12y^{2}}$$

$$\frac{1}{12y^{2}} - \frac{1}{12y^{2}}$$

$$\frac{1}{12y^{2}} - \frac{1}{12y^{2}}$$

$$\frac{1}{12y^{2}} - \frac{1}{12y^{2}}$$

 $35p^4 + 17p^3$

$$\frac{30x^{2}-20x+2}{x}$$

$$\frac{30x^{2}-20x+2}{x}$$

$$\frac{30x-20+\frac{2}{x}}{x}$$

$$\frac{12q^{8}r^{5}-20q^{3}r+24q^{2}r-8qr}{4q^{2}r}$$

$$\frac{3}{4}q^{8}r^{5}-20q^{3}r+24q^{2}r-8qr}{4q^{2}r}$$

$$\frac{12q^{8}r^{5}-20q^{3}r+24q^{2}r-8qr}{4q^{2}r}$$

$$\frac{12q^{8}r^{5}-20q^{3}r+24q^{2}r-8qr}{4q^{2}r}$$

$$\frac{12q^{8}r^{5}-20q^{3}r+24q^{2}r-8qr}{4q^{2}r}$$

$$3q^6r^4 - 5q + 6 - \frac{2}{q}$$

Mixed Practice: Perform each Division

$$\frac{32k^{4}+72k^{2}-12k}{8k^{3}}$$

$$\frac{32}{8k^{3}} + \frac{3}{2k^{2}} + \frac{3}{2k^{2}}$$

$$\frac{32}{8k^{3}} + \frac{3}{2k^{2}} + \frac{3}{2k^{2}}$$

$$\frac{4}{32} + \frac{4}{2k^{2}} + \frac{3}{2k^{2}}$$

$$\frac{4}{32} + \frac{9}{k} + \frac{3}{2k^{2}}$$

$$\frac{4}{2k^{2}} + \frac{9}{k} + \frac{3}{2k^{2}}$$

$$\frac{24x^{7}-18x^{5}+6x^{3}}{-3x^{2}} - \frac{18x^{5}+6x^{3}}{-3x^{2}} - \frac{18x^{5}+6x^{5}}{-3x^{2}} - \frac{18x^{5}+6x^{5}}{-3x^{2}} - \frac{18x^{5}+6x^{5}}{-3x^{2}} - \frac{18x$$

$$\frac{10x^{10}-6x^5+8x^3-x}{2x}$$
5 9 3 4 4 2
$$\frac{10x^{10}-6x^5+8x^3-x}{2x}$$
2x
2x
2x
2x
2x
2x