

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Basic Skills**  
**Dividing Polynomials**

Find the quotient using the separation property. Be sure to write the answer in standard form.

1.  $\frac{6x^3+72x^2-24x}{12}$

2.  $\frac{21x^3-35x^2}{7x}$

3.  $\frac{-72x^4+81x^2-9x}{9x}$

4.  $\frac{60x^{12}-60x^{11}+30x^8}{30x}$

5.  $\frac{33x^7+99x^3-11x^2}{33x^2}$

6.  $\frac{-40x^{12}+60x^{10}-10x^4+30x^3+80x}{20x^2}$

7.  $\frac{-45x^{10}-20x^9+30x^8-60x^4}{-15x^3}$

8.  $\frac{32x^7+12x^6+20x^4-24x^2}{8x^2}$

9.  $\frac{6x^{13}+24x^{10}-27x^9+3x^7-48x^5}{24x^2}$