

NAME \_\_\_\_\_

## FACTORING POLYNOMIALS WORKSHEET

Factor out the GCF from each polynomial.

1.  $-16x^4 - 32x^3 - 80x^2$

2.  $14x^3 - 24x^4$

3.  $x^3 + 3x$

4.  $-43x^2 + 387x$

5.  $-6x^3 + 3x^3$

6.  $96x^3 - 48x^2 + 60x$

7.  $33x^2 + 363x$

8.  $-3x^6 + 15x^4$

Factor C completely.

9.  $x^2 - 3x - 88$

10.  $x^2 - 16x + 48$

11.  $x^2 + 11x + 30$

12.  $x^2 - 14x + 33$

13.  $x^2 + x - 30$

14.  $x^2 - 3x - 70$