

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 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. $x^2 - 3x - 70$