

Algebra Worksheet – Section 10.5
Factoring Polynomials of the form
 $x^2 + bx + c$ with GCFs

Name _____
Block _____

Factor Completely

1. $2x^2 + 6x + 4$

2. $4a^2 - 12a + 8$

3. $10a^2 + 10 - 20$

4. $7a^2 - 14a - 21$

5. $3y^2 - 15y + 18$

6. $a^3 - 5a^2 + 4a$

7. $x^4 - 15x^3 + 56x^2$

8. $b^4 - 3b^3 - 10b^2$

9. $2a^3 + 8a^2 - 64a$

10. $3a^3 - 9a^2 - 54a$

11. $9p^2 - 54p + 72$

12. $4y^3 - 4y^2 - 24y$

13. $3x^4 - 21x^3 + 10x^2$

14. $5x^4 - 10x^3 - 75x^2$