

Name: _____ Period: _____ Date: _____

Factoring $x^2 + bx + c$ Assignment

Factor the following polynomials in $x^2 + bx + c$ form.

1. $x^2 + 17x + 72$

2. $y^2 - 14y - 120$

3. $a^2 - a - 2$

4. $a^2 + 26a - 360$

5. $x^2 + 15x + 50$

6. $y^2 - 19y - 150$

7. $b^2 + 6b + 9$

8. $d^2 - 10d - 39$

9. $y^2 + 8y - 105$

10. $a^2 - 3a - 28$

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11. $x^2 + 15x + 54$

12. $y^2 - 21y + 90$

13. $a^2 - 4a - 45$

14. $a^2 + 13a + 40$

15. $x^2 + 30x + 225$

16. $y^2 - 20y - 96$

17. $b^2 + 18b + 81$

18. $d^2 - 14d - 120$

19. $y^2 + 12y + 36$

20. $a^2 - 23a + 120$