ALGEBRA 1 NAME_____
FACTORING #2
Quadratics

Factor the following using the $x^2 + bx + c$ pattern. Write PRIME if it cannot be factored.

1. $x^2 + 4x + 3$

2. $x^2 + 8x + 7$

3. $c^2 - 9c + 14$

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

5. $r^2 - 5r + 6$

6. $p^2 - 13p + 12$

7. $q^2 + 15q + 14$

8. $k^2 + 7k + 12$

9. $a^2 - 13a + 22$

10. $s^2 - 11s + 30$

11. $x^2 + 18x + 32$

12. $x^2 - 15x + 26$

13. $m^2 - 10m + 21$

14. $c^2 - 18cd + 45d^2$

15. $x^2 + 5x - 14$

16. $g^2 - 3g - 18$

17. $a^2 + 8a - 20$

18. $z^2 + z - 72$

19. $n^2 - 3n - 10$

20. $y^2 - 14yz + 48z^2$