

Name _____ **answer key**

Date _____

FACTORING QUADRATIC EXPRESSION

Factor each expression.

1. $x^2 - 4x - 45$

$(x - 9)(x + 5)$

2. $x^2 - 5x - 6$

$(x - 6)(x + 1)$

3. $x^2 - 17x + 72$

$(x - 8)(x - 9)$

4. $x^2 - 36$

$(x - 6)(x + 6)$

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

$(x - 1)(x + 8)$

6. $x^2 - 3x - 54$

$(x + 6)(x - 9)$

7. $x^2 + 3x + 2$

$(x + 2)(x + 1)$

8. $x^2 + 3x - 18$

$(x - 3)(x + 6)$

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

$(x + 9)(x + 8)$

10. $x^2 + 10x + 24$

$(x + 4)(x + 6)$

11. $x^2 - 9x + 8$

$(x - 8)(x - 1)$

12. $x^2 + x - 42$

$(x + 7)(x - 6)$

13. $x^2 - x - 72$

$(x - 9)(x + 8)$

14. $x^2 + 2x - 63$

$(x - 7)(x + 9)$

15. $x^2 + 13x + 40$

$(x + 5)(x + 8)$

16. $x^2 - 2x - 8$

$(x + 2)(x - 4)$

17. $x^2 + x - 6$

$(x - 2)(x + 3)$

18. $x^2 - 4x + 3$

$(x - 3)(x - 1)$

19. $x^2 + 4x - 5$

$(x - 1)(x + 5)$

20. $x^2 - 2x - 35$

$(x - 7)(x + 5)$