

Factoring Quadratic Expressions (B)

Name: _____

Date: _____

Factor each expression.

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

11. $-x^2 + x + 56$

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

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

3. $x^2 + 7x + 12$

13. $-x^2 - 6x - 9$

4. $-x^2 + 9x - 20$

14. $x^2 - x - 20$

5. $x^2 + 12x + 32$

15. $-x^2 + 15x - 56$

6. $x^2 + 10x + 25$

16. $-x^2 + 3x + 40$

7. $x^2 + 9x + 18$

17. $-x^2 - 8x - 15$

8. $x^2 + 10x + 9$

18. $x^2 + 8x + 12$

9. $x^2 - 2x - 63$

19. $-x^2 - 9x - 20$

10. $x^2 + x - 56$

20. $-x^2 - 14x - 48$

Factoring Quadratic Expressions (B) Answers

Name: _____

Date: _____

Factor each expression.

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

$(x + 2)(x + 9)$

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

$-(x - 4)(x - 6)$

3. $x^2 + 7x + 12$

$(x + 3)(x + 4)$

4. $-x^2 + 9x - 20$

$-(x - 5)(x - 4)$

5. $x^2 + 12x + 32$

$(x + 4)(x + 8)$

6. $x^2 + 10x + 25$

$(x + 5)(x + 5) = (x + 5)^2$

7. $x^2 + 9x + 18$

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

8. $x^2 + 10x + 9$

$(x + 9)(x + 1)$

9. $x^2 - 2x - 63$

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

10. $x^2 + x - 56$

$(x - 7)(x + 8)$

11. $-x^2 + x + 56$

$-(x - 8)(x + 7)$

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

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

13. $-x^2 - 6x - 9$

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

14. $x^2 - x - 20$

$(x + 4)(x - 5)$

15. $-x^2 + 15x - 56$

$-(x - 7)(x - 8)$

16. $-x^2 + 3x + 40$

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

17. $-x^2 - 8x - 15$

$-(x + 3)(x + 5)$

18. $x^2 + 8x + 12$

$(x + 6)(x + 2)$

19. $-x^2 - 9x - 20$

$-(x + 4)(x + 5)$

20. $-x^2 - 14x - 48$

$-(x + 8)(x + 6)$