

Name: _____

Date: _____

Factoring Trinomials 3 – $ax^2 - bx - c$ **Answers**

Section I. Factoring trinomials

1. $x^2 - 3x - 28$

$(x - 7)(x + 4)$

2. $x^2 - 6x - 16$

$(x - 8)(x + 2)$

3. $x^2 - 5x - 36$

$(x - 9)(x + 4)$

4. $x^2 - 3x - 40$

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

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

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

6. $x^2 - 2x - 24$

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

7. $x^2 - 8x - 20$

$(x - 10)(x + 2)$

8. $x^2 - 4x - 12$

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

9. $x^2 - 9x - 36$

$(x - 12)(x + 3)$

10. $x^2 - 9x - 22$

$(x - 11)(x + 2)$

11. $x^2 - x - 56$

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

12. $x^2 - 11x - 60$

$(x - 15)(x + 4)$

13. $x^2 - 2x - 63$

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

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

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

15. $x^2 - x - 20$

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

16. $x^2 - 5x - 14$

$(x - 7)(x + 2)$

17. $x^2 - x - 6$

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

19. $x^2 - 7x - 18$

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

21. $x^2 - x - 2$

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

23. $x^2 - 2x - 48$

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

25. $x^2 - 2x - 35$

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

27. $x^2 - 7x - 30$

$(x - 10)(x + 3)$

29. $x^2 - x - 30$

$(x - 6)(x + 5)$

31. $x^2 - 6x - 27$

$(x - 9)(x + 3)$

33. $x^2 - 2x - 15$

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

18. $x^2 - 3x - 10$

$(x - 5)(x + 2)$

20. $x^2 - x - 72$

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

22. $x^2 - 4x - 32$

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

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

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

26. $x^2 - 5x - 24$

$(x - 8)(x + 3)$

28. $x^2 - x - 12$

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

30. $x^2 - 6x - 40$

$(x - 10)(x + 4)$

32. $x^2 - 4x - 21$

$(x - 7)(x + 3)$

34. $x^2 - 3x - 18$

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