

Name: _____

Date: _____

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

Section I. Factoring trinomials

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

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

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

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

3. $x^2 + x - 2$

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

4. $x^2 + x - 12$

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

5. $x^2 + 3x - 28$

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

6. $x^2 + 4x - 21$

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

7. $x^2 + 2x - 35$

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

8. $x^2 + 11x - 60$

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

9. $x^2 + 8x - 20$

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

10. $x^2 + x - 72$

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

11. $x^2 + x - 42$

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

12. $x^2 + x - 30$

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

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

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

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

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

15. $x^2 + 6x - 40$

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

16. $x^2 + 4x - 32$

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

17. $x^2 + x - 6$

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

19. $x^2 + 9x - 22$

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

21. $x^2 + 7x - 30$

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

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

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

25. $x^2 + 5x - 36$

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

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

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

29. $x^2 + 4x - 12$

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

31. $x^2 + 4x - 45$

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

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

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

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

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

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

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

22. $x^2 + 3x - 10$

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

24. $x^2 + x - 56$

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

26. $x^2 + 3x - 54$

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

28. $x^2 + 7x - 18$

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

30. $x^2 + x - 20$

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

32. $x^2 + 2x - 48$

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

34. $x^2 + 5x - 24$

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