

Answers Set 1

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|-------------------------|-------------------------|------------------------|
| 1. $20y^2 + 60y + 40$ | 2. $7y^2 + 50y + 7$ | 3. $2y^2 + 17y + 36$ |
| 4. $2x^2 + 12x + 16$ | 5. $28x^2 + 78x + 54$ | 6. $70x^2 + 91x + 21$ |
| 7. $90x^2 + 28x + 2$ | 8. $40y^2 + 90y + 50$ | 9. $3x^2 + 22x + 24$ |
| 10. $24x^2 + 58x + 28$ | 11. $20x^2 + 84x + 49$ | 12. $48x^2 + 52x + 10$ |
| 13. $9y^2 + 21y + 10$ | 14. $56y^2 + 143y + 90$ | 15. $72x^2 + 98x + 10$ |
| 16. $27x^2 + 33x + 8$ | 17. $45x^2 + 77x + 8$ | 18. $50y^2 + 45y + 10$ |
| 19. $50y^2 + 140y + 90$ | 20. $36x^2 + 38x + 10$ | 21. $30x^2 + 84x + 48$ |
| 22. $40x^2 + 50x + 10$ | 23. $30x^2 + 34x + 8$ | 24. $42x^2 + 69x + 9$ |
| 25. $27y^2 + 51y + 20$ | 26. $36y^2 + 101y + 45$ | 27. $24y^2 + 84y + 60$ |
| 28. $28x^2 + 31x + 6$ | 29. $12x^2 + 38x + 30$ | 30. $15y^2 + 67y + 72$ |

Answers Set 2

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|-------------------------|-------------------------|------------------------|
| 1. $20x^2 + 42x + 16$ | 2. $48x^2 + 140x + 100$ | 3. $1y^2 + 13y + 30$ |
| 4. $30y^2 + 65y + 25$ | 5. $60x^2 + 84x + 27$ | 6. $12x^2 + 26x + 14$ |
| 7. $54y^2 + 63y + 9$ | 8. $35x^2 + 12x + 1$ | 9. $18x^2 + 80x + 32$ |
| 10. $70y^2 + 150y + 80$ | 11. $40x^2 + 60x + 20$ | 12. $36x^2 + 78x + 40$ |
| 13. $25x^2 + 50x + 9$ | 14. $2x^2 + 24x + 54$ | 15. $25y^2 + 30y + 9$ |
| 16. $90x^2 + 77x + 15$ | 17. $8x^2 + 24x + 18$ | 18. $21y^2 + 45y + 6$ |
| 19. $16y^2 + 86y + 30$ | 20. $2x^2 + 5x + 3$ | 21. $32x^2 + 88x + 20$ |
| 22. $9x^2 + 28x + 20$ | 23. $49x^2 + 63x + 8$ | 24. $81y^2 + 45y + 4$ |
| 25. $50x^2 + 80x + 30$ | 26. $49x^2 + 91x + 40$ | 27. $7x^2 + 74x + 40$ |
| 28. $7y^2 + 43y + 6$ | 29. $16y^2 + 40y + 9$ | 30. $30y^2 + 43y + 15$ |

Answers Set 3

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|------------------------|-------------------------|-------------------------|
| 1. $60y^2 + 26y + 2$ | 2. $3x^2 + 34x + 63$ | 3. $90y^2 + 107y + 24$ |
| 4. $6y^2 + 11y + 4$ | 5. $12y^2 + 34y + 10$ | 6. $50x^2 + 110x + 20$ |
| 7. $64x^2 + 48x + 5$ | 8. $3y^2 + 23y + 30$ | 9. $1y^2 + 14y + 49$ |
| 10. $49x^2 + 42x + 8$ | 11. $70y^2 + 149y + 70$ | 12. $32y^2 + 100y + 63$ |
| 13. $2y^2 + 13y + 15$ | 14. $4x^2 + 10x + 6$ | 15. $20y^2 + 42y + 18$ |
| 16. $40x^2 + 42x + 9$ | 17. $24x^2 + 48x + 24$ | 18. $12x^2 + 43x + 36$ |
| 19. $24y^2 + 56y + 32$ | 20. $3y^2 + 28y + 49$ | 21. $60x^2 + 90x + 30$ |
| 22. $56y^2 + 66y + 18$ | 23. $35y^2 + 85y + 50$ | 24. $15x^2 + 17x + 4$ |
| 25. $2y^2 + 18y + 28$ | 26. $40x^2 + 54x + 5$ | 27. $60x^2 + 130x + 50$ |
| 28. $40y^2 + 62y + 24$ | 29. $4x^2 + 28x + 40$ | 30. $14x^2 + 47x + 30$ |

Answers Set 4

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|-------------------------|--------------------------|--------------------------|
| 1. $24y^2 + 58y + 28$ | 2. $72y^2 + 125y + 50$ | 3. $9y^2 + 96y + 60$ |
| 4. $30x^2 + 50x + 20$ | 5. $24y^2 + 70y + 36$ | 6. $56y^2 + 111y + 54$ |
| 7. $24y^2 + 89y + 30$ | 8. $45x^2 + 82x + 16$ | 9. $9y^2 + 38y + 8$ |
| 10. $80x^2 + 134x + 56$ | 11. $4y^2 + 25y + 36$ | 12. $100y^2 + 100y + 21$ |
| 13. $18y^2 + 21y + 5$ | 14. $27x^2 + 63x + 18$ | 15. $63y^2 + 101y + 40$ |
| 16. $1y^2 + 12y + 36$ | 17. $10y^2 + 100y + 90$ | 18. $6y^2 + 23y + 7$ |
| 19. $49y^2 + 91y + 42$ | 20. $80x^2 + 54x + 9$ | 21. $7y^2 + 76y + 60$ |
| 22. $10y^2 + 54y + 56$ | 23. $100y^2 + 130y + 30$ | 24. $49x^2 + 91x + 36$ |
| 25. $42x^2 + 75x + 18$ | 26. $20y^2 + 22y + 6$ | 27. $28y^2 + 57y + 27$ |
| 28. $4y^2 + 14y + 6$ | 29. $15y^2 + 43y + 8$ | 30. $10x^2 + 51x + 5$ |

Answers Set 5

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|-------------------------|-------------------------|------------------------|
| 1. $8x^2 + 25x + 18$ | 2. $54x^2 + 72x + 18$ | 3. $20y^2 + 65y + 50$ |
| 4. $4y^2 + 27y + 18$ | 5. $32x^2 + 44x + 5$ | 6. $8x^2 + 6x + 1$ |
| 7. $10x^2 + 101x + 10$ | 8. $35y^2 + 46y + 15$ | 9. $54x^2 + 96x + 32$ |
| 10. $36y^2 + 84y + 49$ | 11. $7x^2 + 69x + 54$ | 12. $64x^2 + 56x + 10$ |
| 13. $70y^2 + 77y + 7$ | 14. $30x^2 + 105x + 90$ | 15. $54x^2 + 51x + 5$ |
| 16. $50y^2 + 105y + 10$ | 17. $56y^2 + 93y + 27$ | 18. $7x^2 + 44x + 12$ |
| 19. $21x^2 + 52x + 32$ | 20. $16y^2 + 36y + 20$ | 21. $49y^2 + 70y + 9$ |
| 22. $12x^2 + 39x + 27$ | 23. $30x^2 + 58x + 24$ | 24. $20y^2 + 86y + 90$ |
| 25. $16y^2 + 56y + 40$ | 26. $16x^2 + 18x + 2$ | 27. $8y^2 + 25y + 3$ |
| 28. $28y^2 + 80y + 48$ | 29. $6x^2 + 10x + 4$ | 30. $6x^2 + 27x + 12$ |

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Answers Set 6

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|-------------------------|-------------------------|--------------------------|
| 1. $6y^2 + 57y + 27$ | 2. $32y^2 + 36y + 10$ | 3. $36x^2 + 39x + 9$ |
| 4. $8y^2 + 65y + 8$ | 5. $5y^2 + 56y + 60$ | 6. $40x^2 + 42x + 9$ |
| 7. $7x^2 + 52x + 60$ | 8. $16y^2 + 64y + 28$ | 9. $15x^2 + 38x + 7$ |
| 10. $27y^2 + 36y + 9$ | 11. $18x^2 + 75x + 50$ | 12. $100x^2 + 100x + 21$ |
| 13. $45x^2 + 120x + 60$ | 14. $28x^2 + 102x + 80$ | 15. $70y^2 + 119y + 49$ |
| 16. $3x^2 + 29x + 40$ | 17. $60x^2 + 80x + 20$ | 18. $15x^2 + 48x + 9$ |
| 19. $36y^2 + 102y + 30$ | 20. $20y^2 + 14y + 2$ | 21. $40x^2 + 34x + 6$ |
| 22. $56y^2 + 23y + 2$ | 23. $70x^2 + 59x + 7$ | 24. $30y^2 + 71y + 42$ |
| 25. $54x^2 + 66x + 12$ | 26. $5y^2 + 23y + 12$ | 27. $45x^2 + 97x + 40$ |
| 28. $30x^2 + 29x + 6$ | 29. $10y^2 + 31y + 24$ | 30. $12x^2 + 17x + 6$ |

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Answers Set 7

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|-------------------------|-------------------------|-------------------------|
| 1. $4x^2 + 9x + 5$ | 2. $80x^2 + 94x + 21$ | 3. $40y^2 + 80y + 40$ |
| 4. $50x^2 + 70x + 20$ | 5. $35x^2 + 85x + 30$ | 6. $40y^2 + 33y + 5$ |
| 7. $63y^2 + 68y + 12$ | 8. $30y^2 + 48y + 18$ | 9. $35x^2 + 41x + 12$ |
| 10. $70y^2 + 80y + 10$ | 11. $18x^2 + 69x + 21$ | 12. $24x^2 + 82x + 48$ |
| 13. $7y^2 + 55y + 42$ | 14. $6x^2 + 54x + 48$ | 15. $8x^2 + 36x + 40$ |
| 16. $35x^2 + 106x + 80$ | 17. $80x^2 + 134x + 56$ | 18. $48x^2 + 110x + 50$ |
| 19. $90x^2 + 134x + 48$ | 20. $60y^2 + 110y + 50$ | 21. $63x^2 + 128x + 64$ |
| 22. $12x^2 + 25x + 12$ | 23. $8x^2 + 39x + 28$ | 24. $72x^2 + 76x + 20$ |
| 25. $35x^2 + 106x + 80$ | 26. $5x^2 + 45x + 40$ | 27. $15x^2 + 13x + 2$ |
| 28. $18y^2 + 12y + 2$ | 29. $16y^2 + 74y + 63$ | 30. $9y^2 + 60y + 36$ |

Answers Set 8

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|--------------------------|-------------------------|-------------------------|
| 1. $27y^2 + 69y + 30$ | 2. $8x^2 + 40x + 48$ | 3. $40y^2 + 33y + 5$ |
| 4. $40x^2 + 86x + 28$ | 5. $9x^2 + 45x + 56$ | 6. $10x^2 + 51x + 5$ |
| 7. $30y^2 + 82y + 56$ | 8. $24x^2 + 59x + 36$ | 9. $32y^2 + 108y + 81$ |
| 10. $100y^2 + 70y + 12$ | 11. $90y^2 + 142y + 56$ | 12. $12x^2 + 36x + 24$ |
| 13. $25x^2 + 100x + 100$ | 14. $40y^2 + 112y + 72$ | 15. $25y^2 + 60y + 35$ |
| 16. $42y^2 + 88y + 30$ | 17. $10y^2 + 27y + 18$ | 18. $50y^2 + 105y + 49$ |
| 19. $32y^2 + 36y + 10$ | 20. $60y^2 + 112y + 20$ | 21. $18x^2 + 33x + 9$ |
| 22. $63x^2 + 69x + 18$ | 23. $24y^2 + 40y + 6$ | 24. $42x^2 + 13x + 1$ |
| 25. $72y^2 + 60y + 12$ | 26. $9y^2 + 45y + 54$ | 27. $15y^2 + 65y + 50$ |
| 28. $8x^2 + 33x + 4$ | 29. $50y^2 + 65y + 6$ | 30. $16x^2 + 48x + 20$ |

Answers Set 9

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|------------------------|------------------------|-------------------------|
| 1. $36y^2 + 30y + 6$ | 2. $63y^2 + 77y + 14$ | 3. $24y^2 + 68y + 20$ |
| 4. $21y^2 + 86y + 80$ | 5. $40x^2 + 62x + 24$ | 6. $27y^2 + 66y + 7$ |
| 7. $30y^2 + 94y + 56$ | 8. $27y^2 + 102y + 40$ | 9. $49y^2 + 70y + 21$ |
| 10. $10y^2 + 26y + 12$ | 11. $72x^2 + 93x + 30$ | 12. $25x^2 + 35x + 6$ |
| 13. $54x^2 + 24x + 2$ | 14. $2y^2 + 21y + 27$ | 15. $8x^2 + 28x + 20$ |
| 16. $18y^2 + 36y + 16$ | 17. $8y^2 + 74y + 18$ | 18. $21y^2 + 65y + 24$ |
| 19. $35y^2 + 60y + 25$ | 20. $3x^2 + 18x + 15$ | 21. $60y^2 + 100y + 40$ |
| 22. $15y^2 + 71y + 70$ | 23. $48x^2 + 66x + 18$ | 24. $7x^2 + 52x + 21$ |
| 25. $35y^2 + 59y + 14$ | 26. $63x^2 + 89x + 30$ | 27. $64y^2 + 96y + 35$ |
| 28. $12y^2 + 17y + 6$ | 29. $40y^2 + 76y + 28$ | 30. $3x^2 + 32x + 64$ |

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Answers Set 10

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|-------------------------|------------------------|------------------------|
| 1. $6y^2 + 50y + 16$ | 2. $12x^2 + 24x + 12$ | 3. $18x^2 + 39x + 15$ |
| 4. $100x^2 + 140x + 48$ | 5. $56y^2 + 108y + 40$ | 6. $30x^2 + 94x + 56$ |
| 7. $54x^2 + 105x + 49$ | 8. $40y^2 + 128y + 70$ | 9. $80x^2 + 98x + 30$ |
| 10. $10x^2 + 23x + 9$ | 11. $70y^2 + 17y + 1$ | 12. $32y^2 + 68y + 8$ |
| 13. $28y^2 + 79y + 36$ | 14. $10y^2 + 54y + 20$ | 15. $7x^2 + 34x + 24$ |
| 16. $42x^2 + 88x + 40$ | 17. $9x^2 + 36x + 27$ | 18. $40y^2 + 92y + 48$ |
| 19. $10x^2 + 34x + 28$ | 20. $28y^2 + 73y + 42$ | 21. $3y^2 + 12y + 9$ |
| 22. $81x^2 + 153x + 70$ | 23. $24y^2 + 36y + 12$ | 24. $8y^2 + 61y + 35$ |
| 25. $40y^2 + 38y + 6$ | 26. $12x^2 + 56x + 60$ | 27. $21y^2 + 45y + 6$ |
| 28. $64x^2 + 24x + 2$ | 29. $12y^2 + 48y + 45$ | 30. $54y^2 + 39y + 5$ |