

Section 2.5 – Factoring Quadratic Polynomials

Problem Set 1

Factor the following polynomials.

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| 1. $x^2 - 7x + 6$ | 2. $x^2 + 13x + 40$ | 3. $y^2 + 6y + 8$ | 4. $x^2 - 2x - 15$ |
| 5. $5x^2 - 2x + 3$ | 6. $a^2 + 13a + 22$ | 7. $w^2 + 8w$ | 8. $6y^2 - 50y + 96$ |
| 9. $y^2 + 6y - 27$ | 10. $-10w^2 - 2w - 6$ | 11. $b^2 - 4b - 21$ | 12. $w^2 - 8w + 16$ |
| 13. $-12y^2 - 12y - 10$ | 14. $a^2 + 13a + 36$ | 15. $s^2 + 5 + 2$ | 16. $x^2 + 5x + 4$ |
| 17. $x^2 - 4x - 21$ | 18. $x^2 + 15x + 54$ | 19. $a^2 + 8a + 15$ | 20. $y^2 + 15y + 56$ |