**MA001**
**Unit 4 Practice Test**
**Answer Key**

1. $(z + 2)(z - 2)$
2. $(w + 2)(w^2 - 2w + 4)$
3. $(5x - 6y)(25x^2 + 30xy + 36y^2)$
4. $(5z - 4)(z - 7)$
5. $2x^5(5x^3 + 3x^2 + 11)$
6. $x = -5$ and $x = \frac{1}{6}$
7. $(7t - 4)(7t + 4)$
8. $(x + 7)(y - 4)$
9. $(x^2 + 3)(y + 10)$
10. $2(x - 3)(4x + 5)$
11. $(x - 2)(3x - 5)$
12. p = -3 and p = -5
13. $2(x - 7)(x + 7)$
14. $(x - 1)(x + 7)$
15. $(x - 5)(3x + 2)$
16. $2(x + 3)(3x - 2)y$
17. $(y - 6)(y - 6)$ or $(y - 6)^2$
18. $(y - 9)(x + 2)$
19. $(w - 1)(w^2 - 5)$
20. $(x + 9)(x + 6)$
21. $(y - 6)(y + 2)$
22. $5(t + 11)^2$
23. $(z - 4)(z^2 + 4z + 16)$
24. $(x - 2)(x - 3)$
25. $(5x - 6)(5x - 6)$ or $(5x - 6)^2$
26. m = -5 and m = 10
27. $(3x + 2y)(9x^2 - 6xy + 4y^2)$
28. $x = -1$ and $x = \frac{1}{2}$
29. $2x^3y^4(2x^2y + 5xy^2 + 1)$
30. $(3x + 2)(4x - 9)$