Factoring Review – Solutions

1. $7h$
2. x
3. $4x$
4. 4
5. x^2y
6. $11x(2x^5 + x^3 + 4)$
7. $(x - 7)(x + 2)$
8. $(x - 12)(x - 3)$
9. Unfactorable (prime)
10. $(2x + 3)(5x + 1)$
11. $(2x - 3)(5x + 3)$
12. $3(x - 3)(2x - 3)$
13. $(x - 6)(x + 2)$
14. $x^2(x - 3)(x + 3)$
15. $2(t - 7)(t - 7) = 2(t - 7)^2$
16. $(3x + 2)(3x - 2)$
17. $(1 - 9y)(1 + 9y)$
18. $(x - 3)(x - 3) = (x - 3)^2$
19. $(3y - 2)(3y - 2) = (3y - 2)^2$
20. $(a^2 + 4)(a + 2)(a - 2)$
21. $5(b - 2)(b + 6)$
22. $7(a - 5)(a + 3)$
23. $3t^2(2 - 5t)$
24. $(d^2 + 3)(d + 2)$
25. $(2x + 3)(x + 1)(x - 1)$