

7.1 Key (evens)

$$2. (5x-1)(x-6) \quad 4. 9(x+3)(x-3)$$

$$6. (3x^2+1)(x+3) \quad 8. (y^2-5)(y-3)$$

$$10. (4-3a)(16+12a+9a^2)$$

$$12. (x-4)(x+3) \quad 14. \text{Not factorable}$$

$$16. 5(3a-1)^2 \quad 18. (y-5)(x+3)$$

$$20. (ab+2)(a^2b^2-2ab+4)$$

$$22. 5(x+2)(x-2) \quad 24. 3x^2(x^2+5x-1)$$

$$26. (7y-1)(y-3) \quad 28. (x+3y)^2$$

$$30. (3x^2+2)(x^2+4) \quad 32. (x+3)(x-3)(2x-3)$$

$$34. b(8a-3)(a-3) \quad 36. (a+b)(-c+3d)$$

$$38. (8-y)(1+y)$$

$$40. (c+d+4)(c+d-4)$$

$$42. \cos^2 x(\sin^2 x + 2\sin x - 2)$$

$$44. 4\sin x \cos x (\cos x + \sin x)(\cos x - \sin x)$$

$$46. (a+b)(a^2-ab+b^2)(a-b)(a^2-ab+b^2)$$

$$48. (3r-5x)(r+2x)$$

$$50. (x+y-z)(x+y+z)$$