**Factoring worksheet:**

1. -3y(y – 35) 2. (3x-1)(x+2) 3. ax(a + 5ax – 2)

4. (x +6)(x – 6) 5. (z+8)(z – 40 6. (2x + 1)(x – 2)

9. (x – 14)(x + 4) 11. (3x + 1)(x + 3) 12. (x + 10)(x – 10)

13. 2(x + 3)(x +2) 14. No can do 16. (y + 1)(y – 1)

17. 2(3x +2)(3x – 2) 18. (x – 10)(x + 5) 19. (b + 12)(b – 12)

20. No can do 21. 12(x + 5) 22. (x + 4)(x + 7)

23. 2ab(5a + 8b) 24. (x – 5)(x + 4) 25. No can do

26. 3xy2(x2 + 3y2) 27. (x – 12)(x + 5) 28. (x – 6)(x + 4)

29. 5x(3x + 1) 30. (x – 5)(x + 3) 31. (x + 12)(x – 2)

32. 3(x – 6)(x + 3) 33. 2(x + 3)(x – 1)