5. $\int (x^2 + x^{-2})\,dx = \frac{x^3}{3} + \frac{x^{-1}}{-1} + C$

6. $\int x^{1.5} + x^{\frac{2}{3}}\,dx = \frac{x^{2.5}}{2.5} + \frac{x^{\frac{5}{3}}}{\frac{5}{3}} + C$

7. $\int x^4 - \frac{x^3}{2} + \frac{x^1}{4} - 2\,dx \quad \frac{x^5}{5} - \frac{x^4}{8} + \frac{x^2}{8} + C$

9. $\int 2x^2 + 9x + 4\,dx = 2\frac{x^3}{3} + \frac{9x^2}{2} + C$

11. $(x^3 - 2 \cdot x^{.5}) x^{-1} dx =$

$\int x^2 - 2 \cdot x^{-.5}\,dx = \frac{x^3}{3} - x^{.5} + C$

21. $\int (x^2 - 3)\,dx = \frac{x^3}{3} - 3x + C$

22. $\int (4x^3 - 3x^2 + 2x)\,dx = x^4 - x^3 + x^2 + C$

23. $\int \left(\frac{1}{2}t^4 + \frac{1}{4}t^3 - t\right) dt = \frac{t^5}{10} + \frac{t^4}{16} - \frac{t^2}{2} +$

24. $\int (-10w^4 + 6w^2 + 1) = -2w^5 + 2w^3 + x + C$

26. $\int (x^3 - 2x^2 + x)\,dx = \frac{x^4}{4} - \frac{2x^3}{3} + \frac{x^2}{2} + C$

27. $\int (5e^x + 3\sin x)\,dx = 5e^x - 3\cos x$

28. $\int (x^{-2} - 4x^{-3}) = -\frac{x^{-1}}{1} + \frac{4x^{-2}}{2} + C$

29. $\int \left(\frac{4 + 6v}{\sqrt{v}} \right) = \int (4v^{-.5} + 6v^{.5}) = 2v^{.5} + \frac{6v^{1.5}}{1.5} + C$

30. $\int (3 \cdot t^{-.5} - 2e^t) = 6t^{.5} - 2e^t + C$

31. too hard, idk.

32. $\int (y^{-1.5} - y^{-1}) = -\frac{y^{-0.5}}{.5}$ · wait y^{-1} doesn't work.

33. $\int \left(\frac{x}{2} - \frac{2}{x} \right) = \frac{x^2}{4} - 2\ln(|x|) + C$

34. $\int (5x - 5^x)\,dx = \frac{5x^2}{2} - \frac{5^x}{\ln(5)} + C$