

Additional integration practice

1. $\int \frac{2}{3x-4} dx$	
2. $\int \frac{1}{(2x+1)^3} dx$	
3. $\int (x+1)(x-5)^7 dx$	
4. $\int x \cos 2x dx$	
5. $\int \frac{e^{2x}}{\sqrt{e^{2x}+4}} dx$	
6. $\int \cos^7\left(\frac{x}{2}\right) dx$	
7. $\int \frac{x+2}{x+5} dx$	
8. $\int \frac{1+\sin x}{\cos x} dx$	
9. $\int x^2 e^{3x} dx$	
10. $\int x^2 e^{x^3} dx$	
11. $\int \frac{4}{\sqrt{3-6x-x^2}} dx$	
12. $\int \frac{x^2+3x+2}{x} dx$	
13. $\int \frac{1}{\cos^2 4x} dx$	
14. $\int \sqrt{25-4x^2} dx$	
15. $\int \frac{1-\sin 2x}{\cos^2 2x} dx$	

16. $\int \ln(3x-2) dx$	
17. $\int \frac{x+4}{x^2+3} dx$	
18. $\int \frac{\sin(4x-1)}{\cos^5(4x-1)} dx$	
19. $\int \arccos 2x dx$	
20. $\int \frac{2}{\sin^2 3x \cos^2 3x} dx$	
21. $\int \frac{8x}{\sqrt{2x^2+3}} dx$	
22. $\int (\sin^2 3x + 1)^2 dx$	
23. $\int \frac{\arcsin x}{\sqrt{1-x^2}} dx$	
24. $\int \frac{1}{x \ln x} dx$	
25. $\int \frac{25+x}{25+x^2} dx$	
26. $\int e^x \sin \frac{x}{2} \cos \frac{x}{2} dx$	
27. $\int \frac{x+1}{\sqrt{2x-1}} dx$	
28. $\int \frac{x}{\sqrt{25-x^2}} dx$	
29. $\int \frac{\sqrt{25-x^2}}{x^2} dx$	
30. $\int \frac{x+2}{\sqrt{4-3x^2}} dx$	
31. $\int (x^2+2)(x^3+6x-5)^4 dx$	

32. $\int \frac{2(3x^2 - 2)}{\cos^2(x^3 - 2x + 1)} dx$	
33. $\int x^3 \ln x dx$	
34. $\int x^3 e^{x^2} dx$	
35. $\int \frac{\sin 5x}{\cos^2 5x} dx$	
36. $\int \frac{1}{x^2 \sqrt{9 - 9x^2}} dx$	
37. $\int \frac{x + 5}{x^2 - 6x + 13} dx$	
38. $\int \sin 6x \cos 3x dx$	
39. $\int \sqrt{\frac{1 - 3x}{1 + 3x}} dx$	
40. $\int \frac{x + 3}{e^{x^2 + 6x + 1}} dx$	
41. $\int \tan^5 4x dx$	
42. $\int \frac{2e^x}{e^{2x} + 9} dx$	
43. $\int \frac{x}{x - 1} dx$	
44. $\int \sqrt{x^2 + 3} dx$	
45. $\int \sin 2x \cos^4 x dx$	