

1. (trigint:cos2)
Compute $\int \cos^2(x)dx$.
2. (trigint:sin2)
Compute $\int \sin^2(x)dx$.
3. (trigint:cos2sin1)
Compute $\int \cos^2(x) \sin(x)dx$.
4. (trigint:cos1sin2)
Compute $\int \cos(x) \sin^2(x)dx$.
5. (trigint:cos3)
Compute $\int \cos^3(x)dx$.
6. (trigint:sin3)
Compute $\int \sin^3(x)dx$.
7. (trigint:sin4)
Compute $\int \sin^4(x)dx$.
8. (trigint:cos4)
Compute $\int \cos^4(x)dx$.
9. (trigint:cos2sin2)
Compute $\int \cos^2(x) \sin^2(x)dx$.
10. (trigint:cos1sin3)
Compute $\int \cos(x) \sin^3(x)dx$.
11. (trigint:cos3sin1)
Compute $\int \cos^3(x) \sin(x)dx$.
12. (trigint:cos5)
Compute $\int \cos^5(x)dx$.
13. (trigint:sin5)
Compute $\int \sin^5(x)dx$.
14. (trigint:cos1sin4)
Compute $\int \cos(x) \sin^4(x)dx$.
15. (trigint:cos4sin1)
Compute $\int \cos^4(x) \sin(x)dx$.

16. (trigint:cos3sin2)
Compute $\int \cos^3(x) \sin^2(x) dx$.
17. (trigint:cos2sin3)
Compute $\int \cos^2(x) \sin^3(x) dx$.
18. (trigint: sin1sin2)
Compute $\int \sin(x) \sin(2x) dx$.
19. (trigint:sinnsinm)
Compute $\int \sin(nx) \sin(mx) dx$ where not both of $n, m = 0$. Remember not to divide by zero.
20. (trigint:(cos+sin)2)
Compute $\int (\cos(x) + \sin(x))^2 dx$.
21. (trigint:sec1)
Compute $\int \sec(x) dx$ with the substitution $u = \sec(x) + \tan(x)$.
22. (trigint:sec1tan1)
Compute $\int \sec(x) \tan(x) dx$.
23. (trigint:sec2tan1)
Compute $\int \sec^2(x) \tan(x) dx$.
24. (trigint:sec3)
Compute $\int \sec^3(x) dx$.