$$1. \int x^3 \cdot \sqrt[5]{5 + x^2} \, dx$$

$$2. \int \cos^5 x \sin 2x \, dx$$

3.
$$\int (3\cos 4x + 6\sin 5a)dx$$
 12. $\int \frac{dx}{1-\cos 7x}$

4.
$$\int \frac{e^x + e^{-x}}{e^x - e^{-x}} dx$$

$$5. \int \frac{x^4 dx}{\left(4 + 3x^5\right)^2}$$

6.
$$\int \frac{3 \ln x - 13}{x \left(5 \ln^2 x + 6\right)} dx$$

$$7. \int \frac{dx}{\sqrt{x+1} - \sqrt{x}}$$

$$8. \int \frac{\sin x \cos x}{3\sin^4 x + 8} dx$$

9.
$$\int \frac{x^{n/2} dx}{\sqrt{2-x^{n+2}}}$$

$$10. \int \frac{dx}{\sqrt{3x} \sqrt{3-x}}$$

11.
$$\int \frac{dx}{\sqrt{(1-x^2)\arcsin^5 x}}$$
 21.
$$\int \frac{dx}{\sqrt{1-x^2}\arccos x}$$

$$12. \int \frac{dx}{1 - \cos 7x}$$

$$13. \int \sin 2x \ e^{2\sin^2 x} \ dx$$

$$14. \int x \cos 4x^2 \, dx$$

$$15. \int \frac{dx}{e^x \left(7 - e^{-x}\right)}$$

$$16. \int \frac{2 dx}{\sqrt{2-5x}}$$

17.
$$\int \frac{6 - 7 \ln x}{5x} dx$$
18.
$$\int \frac{5x + 3}{\sqrt{x^2 - x + 1}} dx$$

$$19. \int \frac{e^x}{8 + 3e^{2x}} dx$$

$$20. \int \frac{\cos^2 5x}{\sin^4 5x} dx$$

$$21. \int \frac{dx}{\sqrt{1-x^2} \arccos x}$$

$$22. \int \frac{2x^3 - 5x}{(5 - x^2)^3} dx$$

$$23. \int \frac{3x^3 + 7x}{8 + x^4} \, dx$$

$$24. \int x \sqrt{3-5x} \, dx$$

$$25. \int \frac{\sin 2x \ dx}{\sqrt[5]{\sin^6 x}}$$

$$26. \int \frac{3x^2 + \ln^2 x^2}{x} dx$$

$$27. \int \sqrt{\frac{e^{7\arcsin x}}{1-x^2}} \, dx$$

$$28. \int \frac{x \ dx}{(7x-2)^6}$$

$$29. \int \frac{x^2 dx}{\sqrt{6 - 7x^6}}$$

$$30. \int \frac{\cos x \, dx}{a^2 + b^2 \sin^2 x} dx$$

1.
$$\int \frac{\sqrt{2-3e^{-2x}}}{e^{2x}} dx$$
2.
$$\int \frac{dx}{\sin^2 x \cdot \sqrt[7]{4 \operatorname{ctgx}}}$$
3.
$$\int \sqrt{1+\sin 7x} dx$$
11.
$$\int \frac{\operatorname{ctg}^4 x}{\cos^2 x} dx$$
12.
$$\int \frac{dx}{e^x + 5e^{-x}}$$
13.
$$\int x^2 \sqrt{3+5x^3} dx$$

$$2. \int \frac{dx}{\sin^2 x \cdot \sqrt[7]{4 \operatorname{ctg} x}}$$

3.
$$\int \sqrt{1+\sin 7x} \ dx$$

4.
$$\int \frac{x \, dx}{\sqrt{2 - x^2}}$$

5.
$$\int x^3 (6-5x^2)^{5/3} dx$$

$$6. \int \frac{dx}{x\sqrt{3\ln x - 1}}$$

7.
$$\int \frac{6x+7}{\sqrt{2+5x}} dx$$

$$8. \int (3x-1)\sqrt{3-x} \, dx$$

9.
$$\int \frac{x^3 dx}{\sqrt{3-2x^4}}$$

10.
$$\int \frac{\sqrt[5]{\operatorname{arcctg}^3 x}}{1 + x^2} dx$$

$$11. \int \frac{\operatorname{ctg}^4 x}{\cos^2 x} dx$$

$$12. \int \frac{dx}{e^x + 5e^{-x}}$$

13.
$$\int x^2 \sqrt{3 + 5x^3} \, dx$$

4.
$$\int \frac{x \, dx}{\sqrt{2 - x^2}}$$
5.
$$\int x^3 \left(6 - 5x^2\right)^{5/3} \, dx$$
6.
$$\int \frac{dx}{x\sqrt{3 \ln x - 1}}$$
6.
$$\int \frac{dx}{\sqrt{2 \ln x - 1}}$$
6.
$$\int \frac{dx}{\sqrt{2 \ln x - 1}}$$
7.
$$\int \frac{dx}{(x - 1)^2} \, dx$$
16.
$$\int \frac{dx}{2x^2 + 15}$$

15.
$$\int \frac{2x+1}{(x-1)^2} dx$$

$$16. \int \frac{dx}{2x^2 + 15}$$

$$17. \int \frac{5 \ln x - 4}{x \sqrt{\ln x}} dx$$

19.
$$\int \frac{(e^x + 1)^2}{1 + e^{2x}} dx$$

$$20. \int \frac{2^x \left(3 \cdot 25^x - 1\right)}{5^x} dx$$

$$21. \int \frac{\left(6 + \sqrt[3]{x^2}\right)^{1/3}}{\sqrt[3]{x}} dx$$

$$22. \int \cos x \sin^5 x \ dx$$

$$23. \int \frac{\sin x \, dx}{5 + 3\cos^2 x}$$

$$24. \int \frac{\ln x + 1}{x \cdot \ln^2 x} dx$$

25.
$$\int \frac{dx}{(1+x^2)\operatorname{arcctg}^{-3}x}$$

$$26. \int \frac{dx}{\sqrt{x} \left(5 - 2\sqrt{x} \right)}$$

$$27. \int \frac{1}{x^2} \sin \frac{5}{x} dx$$

$$28. \int \frac{x \, dx}{\sqrt{4 - x^2}}$$

$$29. \int \frac{\cos 8x \ dx}{\sin^2 8x + \cos^2 8x}$$

$$30. \int \sin 2x \cdot e^{3\cos^2 x} \, dx$$

$$1. \int \frac{\sqrt{2e^x + 3}}{e^{-x}} dx$$

$$2. \int \frac{ax}{\sqrt{7-3x-x^2}}$$

$$3. \int x \cdot \sqrt[5]{2 - 15x} \, dx$$

4.
$$\int \frac{2x^3 - 3x}{x^4 + 9} dx$$

5.
$$\int \frac{(2+5x)^2}{3+x^2} dx$$

6.
$$\int ctg^3 x \ dx$$

7.
$$\int \frac{3 \arcsin x - 2 \arccos x}{\sqrt{1 - x^2}} dx$$

$$8. \int \frac{\left(3\ln x + 1\right)^2}{x} dx$$

9.
$$\int \frac{5 + e^{6/x}}{x^2} dx$$

10.
$$\int \frac{11-2x}{\sqrt{3-4x^2}} dx$$

11.
$$\int x^2 (5-x^3)^2 dx$$

$$12. \int \frac{x^2 dx}{2 - 3x}$$

$$13. \int \frac{1+\sin 3x}{3x-\cos 3x} dx$$

$$14. \int \frac{1}{2e^x + e^{-x}}$$

$$5\cos^{2}x + 1$$

$$16. \int \sin 3x \cos 7a \ dx$$

$$17. \int \frac{\sqrt{\ln x - 2}}{x} dx$$

18.
$$\int \frac{x^{2} dx}{\sqrt{8 - 7x^{8}}}$$

4.
$$\int \frac{2x^{3} - 3x}{x^{4} + 9} dx$$
5.
$$\int \frac{(2 + 5x)^{2}}{3 + x^{2}} dx$$
6.
$$\int \cot^{3} x dx$$
7.
$$\int \frac{3 \arcsin x - 2 \arccos x}{\sqrt{1 - x^{2}}} dx$$
8.
$$\int \frac{(3 \ln x + 1)^{2}}{x} dx$$
10.
$$\int \frac{11 - 2x}{\sqrt{3 - 4x^{2}}} dx$$
11.
$$\int \frac{\sin x \cos x}{5 \cos^{4} x + 1} dx$$
12.
$$\int \frac{\sin x \cos 7a}{x} dx$$
13.
$$\int \frac{\sqrt{\ln x - 2}}{x} dx$$
14.
$$\int \frac{2e^{x} + e^{-x}}{5 \cos^{4} x + 1} dx$$
15.
$$\int \frac{\sin x \cos 7a}{5 \cos^{4} x + 1} dx$$
16.
$$\int \sin 3x \cos 7a dx$$
17.
$$\int \frac{\sqrt{\ln x - 2}}{x} dx$$
18.
$$\int \frac{x^{3} dx}{\sqrt{8 - 7x^{8}}} dx$$
19.
$$\int \frac{x(1 + \arctan 2x^{2})}{1 + 4x^{4}} dx$$
20.
$$\int \frac{\sin^{7} 2x}{\cos^{9} 2x} dx$$
21.
$$\int \frac{\sin^{-2} x}{\sqrt{x}} dx$$
22.
$$\int \frac{\ln^{-2} x}{\sqrt{x}} dx$$
23.
$$\int \frac{\ln^{-2} x}{\sqrt{x}} dx$$
24.
$$\int \frac{3x - 3x}{3 + x^{4}} dx$$
25.
$$\int \frac{2e^{x} + 3e^{-x}}{e^{2x}} dx$$
26.
$$\int \frac{(x + 1)^{2}}{\sqrt{x}} dx$$
27.
$$\int \frac{\ln^{-2} x}{x} dx$$
28.
$$\int \frac{\sqrt{x} dx}{(4 - \sqrt{3x^{3}})^{2}} dx$$
29.
$$\int \frac{\arctan x + 1}{x^{2} + 1} dx$$
30.
$$\int \frac{\sqrt{4} \tan x}{\cos^{2} x} dx$$

$$20. \int \frac{\sin^7 2x}{\cos^9 2x} \, dx$$

1.
$$\int \frac{\sqrt{2e^{x} + 3}}{e^{-x}} dx$$
2.
$$\int \frac{dx}{\sqrt{7 - 3x - x^{2}}}$$
3.
$$\int x \cdot \sqrt[5]{2 - 15x} dx$$
4.
$$\int \frac{2x^{3} - 3x}{x^{4} + 9} dx$$
11.
$$\int x^{2} \left(5 - x^{3}\right)^{2} dx$$
12.
$$\int \frac{x^{2} dx}{2 - 3x}$$
13.
$$\int \frac{1 + \sin 3x}{3x - \cos 3x} dx$$
14.
$$\int \frac{dx}{2e^{x} + e^{-x}}$$
15.
$$\int \frac{dx}{3x - \cos 3x} dx$$
16.
$$\int \frac{dx}{3x - \cos 3x} dx$$
17.
$$\int \frac{\sqrt{2x^{2} - x^{4}} + \sqrt{2x^{2} + x^{4}}}{\sqrt{4 - x^{4}}} dx$$
18.
$$\int \frac{dx}{3x - \cos 3x} dx$$
19.
$$\int \frac{dx}{3x - \cos 3x} dx$$
21.
$$\int \frac{\sqrt{2x^{2} - x^{4}} + \sqrt{2x^{2} + x^{4}}}{\sqrt{4 - x^{4}}} dx$$
22.
$$\int \frac{dx}{\sin^{2}(3x + 2a)}$$
23.
$$\int x^{3} \sqrt[3]{4 - 3x^{4}} dx$$
24.
$$\int \frac{5x^{3} - 3x}{3 + x^{4}} dx$$

$$22. \int \frac{dx}{\sin^2(3x+2a)}$$

$$23. \int x^3 \sqrt[3]{4 - 3x^4} \, dx$$

$$24. \int \frac{5x^3 - 3x}{3 + x^4} \, dx$$

$$25. \int \frac{2e^x + 3e^{-x}}{e^{2x}} dx$$

$$26. \int \frac{(x+1)^2}{\sqrt{x}} dx$$

$$27. \int \frac{\mathbf{m} \cdot x}{x} \, dx$$

$$28. \int \frac{\sqrt{x} \, dx}{\left(4 - \sqrt{3x^3}\right)^2}$$

$$29. \int \frac{\arctan x + 1}{x^2 + 1} dx$$

$$1. \int \frac{dx}{\sqrt{3x} \cdot \sqrt{3 - 2x}}$$

$$2. \int \frac{e^{4x} + 2}{e^{3x}} dx$$

$$3. \int \frac{dx}{\cos^2 x \sqrt{1 + \mathrm{tg}x}}$$

$$4. \int \frac{dx}{x\sqrt{4-7\ln x}}$$

$$5. \int x \sin(x^2 - 2) dx$$

$$6. \int \frac{dx}{5+3x}$$

$$7. \int \sqrt{1 + \cos 5x} \ dx$$

8.
$$\int \frac{\sqrt[4]{3 \operatorname{arctg} x}}{1+x^2} dx$$

$$9. \int \frac{3x-4}{\sqrt{5-x^2}} dx$$

$$10. \int 3x \cdot \left(4 + 3x^4\right)^{-1} dx$$

$$11. \int x \cdot (7-2x)^6 dx$$

12.
$$\int \frac{ax}{\sqrt{2e^{-2x}-3}}$$

13.
$$\int \frac{2 \ln x + 1}{x \sqrt{1 - 4 \ln x}}$$

14.
$$\int \frac{2x+7}{x^2+x+5} dx$$

$$15. \int \sin 2x \cdot e^{-2\cos^2 x} \, dx$$

16.
$$\int \frac{2x}{x^2 + 4x + 5} dx$$

$$18. \int \frac{dx}{\sqrt{x} (6+5x)}$$

$$19. \int \frac{5+2x}{\sqrt{5+3x^2}} dx$$

$$20. \int e^{2x} \sqrt{4 - 3e^x} \ dx$$

21.
$$\int \sin 3x \sin 8x \, dx$$

$$22. \int (3\sin 5x - 4\cos 5y)dx$$

23.
$$\int x^5 \left(12 - 7x^2 \right)^{2/7} dx$$

$$24. \int \frac{\operatorname{ctg}^3 x}{\cos^2 x} dx$$

1.
$$\int \frac{dx}{\sqrt{3x} \cdot \sqrt{3-2x}}$$
2. $\int \frac{e^{4x} + 2}{e^{3x}} dx$
3. $\int \frac{dx}{\cos^2 x \sqrt{1 + tgx}}$
4. $\int \frac{dx}{x \sqrt{4 - 7 \ln x}}$
5. $\int x \sin(x^2 - 2) dx$
6. $\int \frac{dx}{5 + 3x}$
7. $\int \sqrt{1 + \cos 5x} dx$
8. $\int \frac{\sqrt[4]{3 \operatorname{arctgx}}}{\sqrt{5 - x^2}} dx$
10. $\int 3x \cdot (4 + 3x^4)^{-1} dx$
11. $\int x \cdot (7 - 2x)^6 dx$
12. $\int \frac{dx}{\sqrt{2}e^{-2x} - 3}$
13. $\int \frac{dx}{\sqrt{1 - 4 \ln x}}$
14. $\int \frac{2 \ln x + 1}{x \sqrt{1 - 4 \ln x}}$
15. $\int \sin 2x \cdot e^{-2\cos^2 x} dx$
16. $\int \frac{2x - 3}{x^2 + 4x + 5} dx$
17. $\int \frac{3x - 5 \operatorname{arcsin}^2 x}{\sqrt{1 - x^2}} dx$
18. $\int \frac{dx}{\sqrt{x} (6 + 5x)}$
19. $\int \frac{5 + 2x}{\sqrt{5 + 3x^2}} dx$
20. $\int e^{2x} \sqrt{4 - 3e^x} dx$
21. $\int \sin 3x \sin 8x dx$
22. $\int (3 \sin 5x - 4 \cos 5y) dx$
23. $\int x^5 (12 - 7x^2)^{2/7} dx$
24. $\int \frac{\operatorname{ctg}^3 x}{\cos^2 x} dx$
25. $\int \frac{5x + 7}{\sqrt{6 - 2x - x^2}} dx$
26. $\int \frac{5 \cdot \ln x + 9}{x \cdot \ln^5 x} dx$
27. $\int \frac{x^5 dx}{\sqrt{1 - x^2}}$
28. $\int \frac{x \operatorname{arctgx} + 1}{(1 + x^2) \operatorname{arctgx}} dx$
29. $\int \frac{\cos x dx}{12 + 7 \sin^2 x}$
30. $\int \frac{dx}{1 + \cos 9x}$

$$x \cdot \ln^5 x$$

$$27. \int \frac{x}{\sqrt{1-x^2}}$$

$$\int (1+x^2) \operatorname{arctg} x$$

$$12 + 7\sin^2 x$$

$$1. \int \frac{\ln x + 1}{x \left(\ln^2 x + 3\right)} dx$$

$$2. \int \frac{9-2x}{\sqrt{1-7x^2}} dx$$

$$3. \int \frac{5+7 \operatorname{tg} x}{\cos^2 x} dx$$

4.
$$\int \sin^4 7x \ dx$$

$$5. \int \frac{\sin x \, dx}{\sqrt{2\sin^2 x - 3\cos^2 x}}$$

6.
$$\int \frac{e^{-3x} + e^{3x}}{e^{-3x} - e^{3x}} dx$$

$$7. \int \frac{5x \, dx}{5 + x^4}$$

$$\sqrt{2} \sin^{2} x - 3\cos^{2} x$$
6.
$$\int \frac{e^{-3x} + e^{3x}}{e^{-3x} - e^{3x}} dx$$
7.
$$\int \frac{5x dx}{5 + x^{4}}$$
8.
$$\int \frac{\sin(4\arccos x) + 1}{\sqrt{1 - x^{2}}} dx$$
18.
$$\int \frac{dx}{\sqrt{2x} \cot \sqrt{3x}}$$
19.
$$\int \frac{\cos x}{\sqrt{9 + \cos 2x}} dx$$
10.
$$\int e^{e^{x + x}} dx$$
20.
$$\int \frac{e^{-3x} - e^{3x}}{\sqrt{1 - x^{2}}} dx$$
21.
$$\int \frac{(5 - 2x)^{2}}{\sqrt{3}\sqrt{x^{2}}} dx$$
22.
$$\int \frac{5 \arctan (x - 1)^{2}}{(3x + 1)} dx$$
23.
$$\int x^{2} \cdot e^{-3x^{3}} dx$$
24.
$$\int x^{2} \cdot e^{-3x^{3}} dx$$
25.
$$\int (3x - 1)^{2} (3x + 1)$$
26.
$$\int (3x - 1)^{2} (3x + 1)$$
27.
$$\int \frac{5 \arctan (x - 1)^{2}}{1 + x^{2}} dx$$
28.
$$\int x^{2} \cdot e^{-3x^{3}} dx$$
29.
$$\int \frac{6x dx}{(5x - 6)^{4}}$$
30.
$$\int \frac{x^{2} - 6x - 4}{\sqrt{4 - x^{2}}} dx$$
20.
$$\int \frac{e^{-3x}}{5 - e^{-2x}} dx$$

$$9. \int \frac{x^3 dx}{\sqrt{6 - 7x^2}}$$

$$10. \int e^{e^x + x} dx$$

11.
$$\int x \cdot \sqrt[6]{3 - 2x^2} \, dx$$

$$12. \int \frac{11 - \ln 2x}{x} dx$$

1.
$$\int \frac{\ln x + 1}{x (\ln^{2} x + 3)} dx$$
2.
$$\int \frac{9 - 2x}{\sqrt{1 - 7x^{2}}} dx$$
3.
$$\int \frac{5 + 7 \tan x}{\cos^{2} x} dx$$
4.
$$\int \sin^{4} 7x dx$$
5.
$$\int \frac{\sin x dx}{\sqrt{2 \sin^{2} x - 3 \cos^{2} x}}$$
11.
$$\int x \cdot \sqrt[6]{3 - 2x^{2}} dx$$
12.
$$\int \frac{11 - \ln 2x}{x} dx$$
13.
$$\int \frac{\sqrt{1 - x} - \sqrt{1 + x}}{\sqrt{1 - x^{2}}} dx$$
24.
$$\int \frac{dx}{\sqrt{2x} (7 + 3x)}$$
25.
$$\int \frac{dx}{\sqrt{2x} (7 + 3x)}$$
26.
$$\int (3x - 1)^{2} (3x + 1)^{2} dx$$
27.
$$\int \frac{3x + 7}{\sqrt{x}} dx$$
28.
$$\int \frac{dx}{\sqrt{2x} (7 + 3x)}$$
29.
$$\int \frac{dx}{\sqrt{2x} (7 + 3x)}$$
21.
$$\int \frac{3x + 7}{\sqrt{x}} dx$$
22.
$$\int \frac{3x + 7}{\sqrt{x}} dx$$
23.
$$\int \frac{dx}{\sqrt{1 - \sin^{2} x}} dx$$
25.
$$\int \sqrt{1 - \cos^{2} x} dx$$
26.
$$\int (3x - 1)^{2} (3x + 1)^{2} dx$$

14.
$$\int \frac{x - \operatorname{arccigs}}{x^2 + 1} dx$$
$$= \cos 2x \, dx$$

$$\sqrt{6 - \sin 2}$$
.
16. $\int \frac{x \, dx}{(1 + 2)^2}$

$$17. \int \frac{\left(5-2x\right)^2}{\sqrt[3]{x^2}} dx$$

$$18. \int \frac{dx}{\sqrt{2x} \operatorname{ctg}\sqrt{3x}}$$

$$19. \int \frac{\cos x}{\sqrt{9 + \cos 2x}} \, dx$$

$$20. \int \frac{e^{-3x}}{5 - e^{-2x}} dx$$

$$21. \int \frac{5x^2 + 3 \ln 4x^2}{x} dx$$

$$22. \int \frac{3x+7}{\sqrt{x}} dx$$

$$23. \int \frac{dx}{\sqrt{2x} \left(7 + 3x\right)}$$

$$24. \int \frac{e^{-\operatorname{tg} x} \, dx}{1 - \sin^2 x}$$

$$25. \int \sqrt{1 - \cos 14x} \ dx$$

26.
$$\int (3x-1)^2 (3x+1)^2 dx$$

$$1+x^2$$

$$28. \int x^2 \cdot e^{-3x^3} dx$$

$$29. \int \frac{6x \ dx}{\left(5x-6\right)^4}$$

30.
$$\int \frac{x^2 - 6x - 4}{\left(\sqrt{4 - x^2}\right)^3} dx$$

$$1. \int \frac{3e^{5x} + 7e^x}{e^{3x}} dx$$

$$2. \int \frac{x \, dx}{5 + 3x^4}$$

3.
$$\int \frac{x \, dx}{1 - x^2}$$

$$4. \int e^{x^2 + \ln x} dx$$

5.
$$\int \frac{7 dx}{\sqrt{12-5x}}$$

6.
$$\int \frac{dx}{3x\sqrt{6-\ln^2 x}}$$

7.
$$\int \frac{\sin x \cos x \, dx}{\sqrt{3\sin^2 x + 8\cos^2 x}} = 17. \int \frac{\ln x \, dx}{x \left(5 - 6\ln^2 x\right)}$$

8.
$$\int \frac{3^{1+2 \arctan x} dx}{x^2 + 1}$$

9.
$$\int \frac{\sin^5 x}{\sqrt[5]{\cos x}} dx$$

10.
$$\int \frac{3x+4}{\sqrt{2-x^2}} dx$$

11.
$$\int x^3 (1+x^2)^{-2} dx$$
 21. $\int \frac{dx}{6x-7}$

12.
$$\int \frac{\sqrt{1-x^2}}{\sqrt{1-x^2}} \arccos^{-3} x$$

13.
$$\int \frac{dx}{x[\ln(5x)-1]}$$
 23. $\int \frac{x \, dx}{(3-x^2)^3}$

$$14. \int x \cdot \sqrt{3 + 4x} \ dx$$

15.
$$\int \frac{e^{x} dx}{\sqrt[3]{5 - e^{x}}}$$
16.
$$\int \frac{\sqrt[5]{x^{2}} dx}{\sqrt{2 + 3x^{7/5}}}$$

17.
$$\int \frac{\ln x \ dx}{\sqrt{5 - 6 \ln^2 x}}$$

$$18. \int \frac{x^3 dx}{\left(\sqrt{5-x^2}\right)^5}$$

$$19. \int \frac{x \ dx}{\left(4x-3\right)^3}$$

$$20. \int \frac{dx}{\cos^2 x \cdot \sqrt[5]{\cot g^2 x}}$$

12.
$$\int \frac{dx}{\sqrt{(1-x^2)}\arccos^{-3} x}$$
 21.
$$\int \frac{6x-7}{\sqrt{2+3x^{4/3}}}$$
 22.
$$\int \frac{\sqrt[3]{x} dx}{\sqrt{2+3x^{4/3}}}$$

$$23. \int \frac{x \ dx}{\left(3 - x^2\right)^3}$$

$$24. \int \frac{dx}{\sqrt{1-x^2} \arccos^5 x}$$

$$25. \int e^{2x} \sqrt{6 - e^x} \ dx$$

$$26. \int \frac{e^{2x} - 1}{e^x - 1} dx$$

$$27. \int \sqrt{1 - \sin(2x + 1)} dx$$

$$28. \int \frac{dx}{\cos^2(4x + 3)}$$

$$29. \int \frac{\cos 6x \ dx}{\cos^2 3x}$$

30.
$$\int \frac{dx}{\sqrt{4x} \cdot \sqrt{12 - 5x}}$$

$$1. \int \sin 2x \cdot e^{2\sin^2 x - 3} \, dx$$

$$2.\int x^2 \cdot \sqrt[3]{12 + x^3} \, dx$$

3.
$$\int \frac{dx}{5 + e^{5x}}$$

$$4. \int \frac{\sqrt{3 \ln x - 11}}{x} dx$$

5.
$$\int \frac{(4x-1)^2}{\sqrt[3]{x}} dx$$

$$6. \int \frac{\sqrt[6]{\cot^5 x}}{\cos^2 x} dx$$

$$7. \int \frac{x^3 + 3x}{\left(3 + x^2\right)^2} dx$$

8.
$$\int \frac{4^{-1+\arctan} dx}{x^2+1}$$

4.
$$\int \frac{\sqrt{3 \ln x - 11}}{x} dx$$
5.
$$\int \frac{(4x - 1)^2}{\sqrt[3]{x}} dx$$
6.
$$\int \frac{6\sqrt{\cot 5^5 x}}{\cos^2 x} dx$$
7.
$$\int \frac{x^3 + 3x}{(3 + x^2)^2} dx$$
8.
$$\int \frac{4^{-1 + \arctan \cot x}}{x^2 + 1} dx$$
10.
$$\int \frac{e^{4x}}{\sqrt{1 - 2e^{2x}}} dx$$
11.
$$\int \frac{3 \ln x + 14}{x\sqrt{4 - 5 \ln x}} dx$$
12.
$$\int \frac{3 \ln x + 14}{x\sqrt{4 - 5 \ln x}} dx$$
13.
$$\int \frac{x - 4}{\sqrt{2 - x}} dx$$
14.
$$\int \frac{3 \ln x + 14}{x\sqrt{4 - 5 \ln x}} dx$$
15.
$$\int \frac{x - 4}{\sqrt{2 - x}} dx$$
16.
$$\int \frac{1}{x^2} \cdot \cos\left(\frac{1}{x} - 2\right) dx$$
17.
$$\int \frac{x dx}{(7x - 4)^2}$$
18.
$$\int \frac{2 - 3x}{\sqrt{2 - x^2}} dx$$
19.
$$\int x \cdot \sqrt[4]{7 - 5x} dx$$
20.
$$\int \frac{\sin 2x dx}{\sqrt{\cos 4x}}$$
21.
$$\int \frac{\sin 8x}{\cos^{10} x} dx$$
22.
$$\int \frac{\sin 8x}{\cos^{10} x} dx$$
23.
$$\int \frac{x^4 dx}{3x^{10} + 2}$$
24.
$$\int \frac{dx}{2 - 2\cos^2 4x}$$
25.
$$\int \frac{5x \arctan \cot x + 11}{(1 + x^2) \arctan x} dx$$
26.
$$\int \frac{2^{x+2} + 5^{x+3}}{3e^x + e^{-x}} dx$$
27.
$$\int \frac{3e^x - e^{-x}}{3e^x + e^{-x}} dx$$
28.
$$\int \frac{x^4 dx}{3x^{10} + 2}$$
29.
$$\int \frac{\sin 8x}{\cos^{10} x} dx$$
30.
$$\int \frac{x^3 dx}{(\sqrt{7 - x^2})^3}$$

10.
$$\int \frac{e^{4x} dx}{\sqrt{1 - 2e^{2x}}}$$

1.
$$\int \sin 2x \cdot e^{2\sin^2 x - 3} dx$$
2.
$$\int x^2 \cdot \sqrt[3]{12 + x^3} dx$$
3.
$$\int \frac{dx}{5 + e^{5x}}$$
4.
$$\int \frac{\sqrt{3 \ln x - 11}}{x} dx$$
11.
$$\int \frac{x^2 dx}{\sqrt{x^3 + 3} - \sqrt{x^3}}$$
12.
$$\int \frac{\sin 2x dx}{\sqrt{3 \sin^2 x + 4}}$$
13.
$$\int \frac{5 \sin 2x dx}{\sqrt{4 \sin^3 x}}$$
14.
$$\int \frac{3 \ln x + 14}{\sqrt{x^3 + 3}} dx$$
15.
$$\int \frac{dx}{\sqrt{3 \ln x - 1}} dx$$
16.
$$\int \frac{dx}{\sqrt{3 \ln x - 1}} dx$$
17.
$$\int \frac{\sin 2x \cdot e^{2\sin^2 x}}{\sqrt{3 \sin^2 x + 4}} dx$$
18.
$$\int \frac{\sin 2x \, dx}{\sqrt{3 \sin^2 x + 4}} dx$$
19.
$$\int \frac{6 \cdot \ln x - 1}{x \cdot \ln^{-3} x} dx$$
20.
$$\int \frac{6 \cdot \ln x - 1}{x \cdot \ln^{-3} x} dx$$
21.
$$\int \frac{\sin 2x \cdot e^{-3x}}{x^2 + 1} dx$$
22.
$$\int \frac{6 \cdot \ln x - 1}{x \cdot \ln^{-3} x} dx$$
23.
$$\int 9x \cdot (9 + 7x^4)^{-1} dx$$
24.
$$\int \frac{dx}{2 - 2\cos^2 4x}$$

$$12. \int \frac{\sin 2x \ dx}{\sqrt{3\sin^2 x + 4}}$$

$$13. \int \frac{5\sin 2x \, dx}{\sqrt[4]{\sin^3 x}}$$

$$14. \int \frac{3\ln x + 14}{x\sqrt{4 - 5\ln x}} \, dx$$

15.
$$\int \frac{x-4}{\sqrt{2-x}} dx$$

$$16. \int \frac{1}{x^2} \cdot \cos\left(\frac{1}{x} - 2\right) dt$$

17.
$$\int \frac{x \ dx}{(7x-4)^2}$$

18.
$$\int \frac{2-3x}{\sqrt{2-x^2}} dx$$

$$19. \int x \cdot \sqrt[4]{7 - 5x} \, dx$$

$$20. \int \frac{\sin 2x \, dx}{\sqrt{\cos 4x}}$$

$$21. \int \frac{\arctan^{-3} x}{x^2 + 1} dx$$

$$22. \int \frac{6 \cdot \ln x - 1}{x \cdot \ln^{-3} x} dx$$

23.
$$\int 9x \cdot (9 + 7x^4)^{-1} dx$$

$$24. \int \frac{dx}{2 - 2\cos^2 4x}$$

25.
$$\int \frac{5x \arctan x + 11}{(1+x^2)\arctan x} dx$$

$$26. \int \frac{2^{x+2} + 5^{x+3}}{4 \cdot 5^x} dx$$

$$27. \int \frac{3e^x - e^{-x}}{3e^x + e^{-x}} dx$$

$$28. \int \frac{x^4 dx}{3x^{10} + 2}$$

$$29. \int \frac{\sin^6 x}{\cos^{10} x} dx$$

$$30. \int \frac{x^3 dx}{\left(\sqrt{7-x^2}\right)^3}$$

$$1. \int \frac{\sin^7 3x}{\cos^6 3x} \, dx$$

$$2. \int \frac{5 dx}{7 - 2e^{-x}}$$

3.
$$\int \frac{3x \, dx}{\sqrt{3-2x^4}}$$

$$4. \int \frac{\ln 3x \, dx}{x \left(2 + 3 \ln x\right)}$$

$$5. \int \frac{\cos 6x}{\sin^2 3x} \, dx$$

$$6. \int x^2 \left(1 - 12x^3\right)^2 dx$$

$$7. \int \frac{dx}{1-\sin^2 2x}$$

$$8. \int x^3 \cdot \sqrt[7]{7 - 2x^4} \, dx$$

9.
$$\int \frac{\sin(5\arccos x + 4)}{\sqrt{1 - x^2}} dx$$

$$10. \int_{0}^{3} \frac{\sqrt{\cot^7 x}}{\sin^2 x} dx$$

11.
$$\int \frac{6x^3}{(5+x^2)^4} \ dx$$

$$12. \int \frac{4+e^{-x}}{e^{4x}} dx$$

13.
$$\int \frac{\sqrt{e^{2x} + 5}}{e^{-2x}} dx$$

14.
$$\int \frac{x}{(1-x)^{100}} dx$$
15.
$$\int \frac{6+7\ln(2x-2)}{3(x-1)} dx$$

$$16. \int \frac{dx}{\sqrt{x} \sqrt{1-2x}}$$

17.
$$\int \frac{6+5 \operatorname{tg} x}{4 \operatorname{cos}^2 x} dx$$

$$18. \int \frac{dx}{\sin^4 2x}$$

$$19. \int x^2 \sin 2x^3 \, dx$$

$$20. \int \frac{dx}{\sqrt{1 + 2x - 2x^2}}$$

$$21. \int \frac{e^{-4\arccos x} dx}{\sqrt{1-x^2}}$$

12.
$$\int \frac{4 + e^{4x}}{e^{4x}} dx$$
 22. $\int \frac{dx}{x \sqrt{5 \ln x + 3}}$

$$23. \int \frac{\sqrt{3 \operatorname{tg} x}}{\cos^2 x} dx$$

$$24. \int \frac{7x \, dx}{\sqrt{5 - 12x^2}}$$

$$25. \int \frac{3x - 1}{x^2 + 10} \ dx$$

26.
$$\int \frac{e^{-4x} + 2e^{4x}}{e^{-4x} - 2e^{4x}} dx$$
27.
$$\int x \sqrt{6 + x} dx$$

$$28. \int \frac{dx}{\sqrt{(1-x^2)\arcsin^{-5}x}}$$

$$29. \int \frac{1+x}{\sqrt{1-3x^2}} \, dx$$

$$30. \int \frac{\cos^3 x}{\sqrt[3]{\sin x}} dx$$

$$1. \int \frac{dx}{\sqrt{x} \left(2 - 3\sqrt{x} \right)}$$

$$2. \int \frac{dx}{\sqrt[5]{7x-1}}$$

$$3. \int \frac{dx}{5 - 3e^x}$$

$$4. \int \frac{\ln x - 3}{x \sqrt{\ln x}} dx$$

$$5. \int \frac{2 \arctan x + 3x}{1 + x^2} dx$$

5.
$$\int \frac{2 \arctan (3-x)^{6}}{1+x^{2}} dx$$
6.
$$\int \sin 2x \left(e^{-2\cos^{2}x} - 3\right) dx$$
7.
$$\int \frac{x dx}{\sqrt{1+x^{2}}} dx$$
16.
$$\int \frac{(3-x)^{6}}{9x^{2} + 1} dx$$

7.
$$\int \frac{x \, dx}{\sqrt{4 - 2x^2}}$$

7.
$$\int \frac{x \, dx}{\sqrt{4 - 3x^2}}$$
8.
$$\int (x - 1)\sqrt{2 - x} \, dx$$

9.
$$\int \frac{dx}{x\sqrt{4-6\ln^2 3x}}$$

10.
$$\int \frac{e^x dx}{\sqrt{5-e^x}}$$

$$11. \int \frac{2x^3 - 3x}{7x^4 + 9} dx$$

$$12. \int \frac{\cos^3 x}{\sin x} dx$$

13.
$$\int \frac{\sin x \cos x \, dx}{\sqrt{5 \sin^2 x - 7 \cos^2 x}}$$

$$14. \int \frac{x^2 dx}{(3-x)^8}$$

15.
$$\int \frac{4 \arctan^{-4} 3x}{9x^2 + 1} dx$$

$$3+x^{2}$$
17.
$$\int \frac{\ln x+1}{(2x^{2}+2)} dx$$

18.
$$\int \frac{x^3 - 3x}{2 + x^4} dx$$

$$\int \frac{2x-1}{\sqrt{1-x^2}} dx$$

$$\int_{0}^{21.5} \sqrt{9 - 16x^2} dx$$

2.
$$\int x^3 \cdot \sqrt[3]{2 + 3x^3} dx$$
3.
$$\int \frac{\sin x dx}{-}$$

11.
$$\int \frac{2x^{3} - 3x}{7x^{4} + 9} dx$$
12.
$$\int \frac{\cos^{3} x}{\sin x} dx$$
13.
$$\int \frac{\sin x \cos x dx}{\sqrt{5 \sin^{2} x - 7 \cos^{2} x}}$$
14.
$$\int \frac{x^{2} dx}{(3 - x)^{8}}$$
21.
$$\int \frac{dx}{\sqrt{9 - 16x^{2}}}$$
22.
$$\int x^{5} \cdot \sqrt[4]{2 + 3x^{3}} dx$$
23.
$$\int \frac{\sin x dx}{\sqrt{\cos x + 11}}$$
24.
$$\int \frac{6x dx}{(4 + x^{2})^{4}}$$
25.
$$\int \frac{4x - 9}{x^{2} - x + 5} dx$$

25.
$$\int \frac{4x-9}{x^2-x+5} dx$$
26.
$$\int \frac{3\arcsin x-7}{5\sqrt{1-x^2}} dx$$

$$27. \int \frac{\sin 2x \, dx}{\sqrt{\sin x}}$$
$$\sin 2x \, dx$$

30.
$$\int \frac{x^2 dx}{\sqrt{1-x^2}}$$

$$1. \int \frac{dx}{5e^x + 2e^{-x}}$$

1.
$$\int \frac{dx}{5e^{x} + 2e^{-x}}$$
2.
$$\int \frac{\sin x \cos x \, dx}{\sqrt{2\sin^{2} x - 3\cos^{2} x}}$$
3.
$$\int \frac{\ln 3x \, dx}{x \left(4 + 5\ln^{4} 3x\right)}$$
4.
$$\int \frac{x^{3} - 2x}{\sqrt{2x} + 2x} \, dx$$
11.
$$\int \frac{x^{5} \, dx}{\left(1 + x^{2}\right)^{3}}$$
12.
$$\int \sqrt{1 - \sin 4x} \, dx$$
13.
$$\int \frac{dx}{\sqrt{2x - x^{2}}}$$
14.
$$\int \frac{3 + 2\ln x}{5x} \, dx$$
26.
$$\int \frac{\sin x \, dx}{5 - \cos x} \, dx$$
27.
$$\int \frac{\sin x \, dx}{5 - \cos x} \, dx$$
28.
$$\int \frac{dx}{\sqrt{x} \cdot \sqrt{7 - 3x}}$$
29.
$$\int \frac{dx}{\sqrt{x} \cdot \sqrt{7 - 3x}} \, dx$$
21.
$$\int \frac{\sin x \, dx}{5 - \cos x} \, dx$$
22.
$$\int e^{2x} \sqrt{3 + 2e^{x}} \, dx$$
23.
$$\int \frac{dx}{\sqrt{x} \cdot \sqrt{7 - 3x}} \, dx$$
24.
$$\int \frac{3x^{2} + 5\ln^{2} x^{2}}{x} \, dx$$

$$3. \int \frac{\ln 3x \ dx}{x \left(4 + 5 \ln^4 3x\right)}$$

4.
$$\int \frac{x^3 - 2x}{\left(3 - x^2\right)^3} dx$$

5.
$$\int \frac{2-x}{\sqrt{1-x^2}} dx$$

$$6. \int \frac{1+x}{1-x} dx$$

$$7. \int \sqrt{\frac{\arcsin^3 x}{1-x^2}} \, dx$$

8.
$$\int \frac{dx}{1-\cos^2 4x}$$

9.
$$\int \frac{e^x}{3 + e^{2x}} dx$$

$$10. \int \frac{\sin x \, dx}{e^{\cos x}}$$

$$11. \int \frac{x^5 dx}{\left(1 + x^2\right)^3}$$

$$12. \int \sqrt{1-\sin 4x} \, dx$$

$$13. \int \frac{dx}{\sqrt{2x-x^2}}$$

$$14. \int \frac{3+2 \ln x}{5x} dx$$

$$15. \int \frac{\sqrt{1-x} - \sqrt{1+x}}{\sqrt{1-x^2}} dx$$

$$1+4x^2$$
17. $\int x^2 \sqrt{3-2x^3} \ dx$

18.
$$\int \frac{2x^3 - 5x}{4x^3} dx$$

$$19. \int \cos^2 2x \sin^2 x \, dx$$

20.
$$\int \frac{x^3 dx}{(1-x^3)^{10}}$$

$$21. \int \frac{\sin x \, dx}{5 - \cos x} \, dx$$

$$22. \int e^{2x} \sqrt{3 + 2e^x} \ dx$$

$$23. \int \frac{dx}{\sqrt{x} \cdot \sqrt{7 - 3x}}$$

$$24. \int \frac{3x^2 + 5 \ln^2 x^2}{x} dx$$

$$25. \int \frac{x^5 dx}{3 + x^{12}}$$

16.
$$\int \frac{\sqrt[4]{\operatorname{arcctg2}x} + x}{1 + 4x^2} dx$$
26.
$$\int \frac{x \operatorname{arctgx}^2 - 3x^3}{1 + x^4} dx$$

$$\begin{vmatrix} 1 + 4x^2 \\ 17. \int x^2 \sqrt{3 - 2x^3} \ dx \end{vmatrix} = 27. \int \frac{\sin^5 x}{\cos x} dx$$

18.
$$\int \frac{2x^3 - 5x}{(4 + x^2)^2} dx$$
19.
$$\int \cos^2 2x \sin^2 x dx$$
20.
$$\int \frac{x^3 dx}{(1 - x^3)^{10}}$$
22.
$$\int \frac{x^3 dx}{(1 - x^3)^{10}}$$
23.
$$\int \frac{x dx}{1 - 2x^2}$$
26.
$$\int \frac{x dx}{1 - 2x^2}$$
27.
$$\int \frac{x dx}{1 - 2x^2}$$

30.
$$\int \frac{x \, dx}{e^{x^2}}$$