













27.  $\int_D z \, z(x, y) \, dx \, dy$  where  $|x| \leq 1, |y| \leq 1$ .
28.  $\int_D f(x, y) \, dx \, dy$  where  $D = \{y \mid 3x^2, y \leq 6 - 3x\}$ .
29.  $\int_D (x - y^2) \, dx \, dy$ ,  $D = [2, 3], [1, 2]$ .
30.  $\int_D x \, dx \, dy$ ,  $D = \{xy \leq 6, x - y \leq 7, x \geq 0\}$ .
31.  $\int_D (x^2 - y^2) \, dx \, dy$ ,  $D = \{x^2 - y^2 \leq 1\}$ .
32.  $\int_D (x^2 - y^2) \, dx \, dy$ ,  $D = \{x^2 - y^2 \leq a^2, x^2 - y^2 \geq b^2, 0 \leq a < b\}$ .
33.  $\int_D x^2 - y^2 \, dx \, dy$ ,  $D = \{x^2 - y^2 \leq 4x, y^2 \leq 4x, x \geq 4, (y = 0)\}$ .
34.  $\int_D 2x - y - 2z \, dx \, dy \, dz$ ,  $0 \leq x \leq 2, 0 \leq y \leq x^2, 0 \leq z \leq x$ .
35.  $\int_D x \, dx \, dy \, dz$ ,  $D = \{x \leq a, y \leq x, z \leq y\}$ .
36.  $\int_D y^2 - x, x^2 - y \, dx \, dy \, dz$ .
37.  $\int_D \frac{dx \, dy \, dz}{1 - x - y}$ ,  $G = \{x=0, x=1, y=2, y=5, z=2, z=4\}$ .
38.  $\int_D \frac{dx \, dy \, dz}{1 - x - y}$ ,  $G = \{x+y=1, x+y=2, y=0, y=1, z=0, z=3\}$ .
39.  $\int_L (x^2 - 2xy) \, dx + (y^2 - 2xy) \, dy$ ,  $L = \{y = x^2, 1 \leq x \leq 1\}$ .
- $\int_L (x - y) \, dx + (x - y) \, dy$ ,  $L = \{(x - 1)^2 + (y - 1)^2 = 4\}$ .
- 6.





2.  $\int (x^2 + 2xy + 2y^2 + 2x) dx$

3.  $\int_L 2xy dx + x^2 dy$  where  $L$  is the line segment from  $(0,0)$  to  $(2,2)$ .

4.  $\int_C \sqrt{x} dy - 0 dx$  where  $C$  is the curve  $y = \sqrt{x}$  from  $x=0$  to  $x=2$ .

5.  $|z + i| = |z - 1|$  in the complex plane.

6.  $y' + y \tan x = \cos^2 x$

1		

(\*)

1		4,75-5
2		3,75-4,5
3		3-3,5
4		

6.2.

1.  $\int_0^1 x^2 dx = \frac{1}{3}$

2.  $\int_0^1 x dx = \frac{1}{2}$
3.  $\int_0^1 x^3 dx = \frac{1}{4}$
4.  $\int_0^1 x^4 dx = \frac{1}{5}$
5.  $\int_0^1 x^6 dx = \frac{1}{7}$
6.  $\int_0^1 x^8 dx = \frac{1}{9}$
7.  $\int_0^1 x^{10} dx = \frac{1}{11}$
8.  $\int_0^1 x^{12} dx = \frac{1}{13}$
9.  $\int_0^1 x^{14} dx = \frac{1}{15}$
10.  $\int_0^1 x^{16} dx = \frac{1}{17}$
11.  $\int_0^1 x^{18} dx = \frac{1}{19}$
12.  $\int_0^1 x^{20} dx = \frac{1}{21}$
13.  $\int_0^1 x^{22} dx = \frac{1}{23}$
14.  $\int_0^1 x^{24} dx = \frac{1}{25}$
15.  $\int_0^1 x^{26} dx = \frac{1}{27}$
16.  $\int_0^1 x^{28} dx = \frac{1}{29}$
17.  $\int_0^1 x^{30} dx = \frac{1}{31}$

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31.       -
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33.

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a)  $\lim_n \frac{(2n)(2n-1)}{n^2-5}$       $\lim_{x \rightarrow 5} \frac{x^2-4x-5}{x^2-25}$       $\lim_{x \rightarrow 0} \frac{\sin 2x}{e^{3x}-1}$ .

$\frac{dx}{\sqrt{25-x^2}}$       $\int_0^9 \frac{dx}{\sqrt{x}}$ .

$y = \sin x, y = 0, x = 0, x = \frac{\pi}{2}$ .

1.

<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
1	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1

(\*)

2.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1		4,75-5
2		3,75-4,5
3		3-3,5
4		<input type="checkbox"/>

1.

2.

3.

4.



$$(21-5i) + (3+4i); (5i-4)^2 \frac{i}{7-i}.$$

$$\cos(x-y) - 12xy^4; \ln(2y-x); \frac{1}{\sqrt{x^2-y^2-9}}.$$

$$y(1-y^2) \cos x.$$

1		1
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(\*)

1		4,75-5
2		3,75-4,5
3		3-3,5
4		

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1. 2004. -
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- 3.
4. 2008.

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1. 2004.
- 2.
- 3.
4. 251 .
- 5.
- 6.
- 7.

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