1а. Программирование формул

Задать значения переменных, согласно варианту задания. Записать и вычислить выражение на языке MATLAB. Результат вывести в Command Window с помощью функции disp().

№	Выражение	Переменные
1		a = -1.3; b = 0.91;
	$y = \sin\frac{a - x}{c} + 10^{4} \sqrt[3]{\frac{a - kx^{2}}{2b}} + \frac{\cos kx^{2}}{tg3} - \frac{bc}{ax}$	c = 0.75; x = 2.32; k = 8.
2	$(x-d)(x^2+b^2)$ $\cos kx$	d = 1.25; b = 0.75; n = 4;
	$y = -\frac{(x-d)(x^2+b^2)}{\sqrt[3]{x^2+b^2-cd}} + 10^{-3}tgkn - \frac{\cos kx}{\sin 5}.$	c = 2.2; x = 0.32; k = 2.
3	$10^{3} = 5$ $10^{2} xk $ $ax^{3} - b$	i = 5; b = 2.35;
	$y = tgik + 10^{3}e^{-5} + \sqrt[3]{\frac{10^{2} xk }{(a+b)^{2}}} - \frac{ax^{3} - b}{(a+b)^{2}}.$	a = 25.2; x = 0.1; k = -2.
4	$\sqrt{ c-d +(a+c)^2}$ $ c-d +a^2$	a = -1.25; d = 2.5; i = 5;
	$y = \frac{\sqrt{ c-d + (a+c)^2}}{\sin 2i} + 10^{-3}e^{ix} - \frac{ c-d + a^2}{\sqrt[3]{(a+c)^2}}.$	c = 0.05; x = 1.35.
5	$y = \frac{\ln kx }{\sin 7} - \sqrt{ x - a^2 } - \frac{10^4 a - b}{\cos kx} + \sqrt[3]{x - a^2} + c^3 x.$	a = 0.93; b = 5.61;
	$y = \frac{1}{\sin 7} - \sqrt{ x - u } - \frac{1}{\cos kx} + \sqrt{x - u} + Cx.$	c = 0.31; x = -2.5;
		k=2.
6	$y = 10^4 \frac{ax}{b^2} - \left \frac{a-b}{bx} \right + \frac{\ln 3}{\sqrt{3 + b^2}} - e^{-kx}$	b = 0.35;
	$\int y = 10 \frac{1}{b^2} - \left \frac{1}{kx} \right + \frac{3}{\sqrt[3]{ax^2 + b^2}} - e$	a = 3.5; x = 1.523; k = -2.
7	b-a , $abc = 0.7abc$	a = 1.7; b = -1.25;
,	$y = -\frac{ b - a }{kx} + 10^4 \sqrt[5]{ \cos kx } + \sqrt{\frac{abc}{2.4} - \frac{0.7abc}{\sin 7}}.$	c = -0.3; x = 2.5; k = 3.
8	$ a^2 - b^2 $ $k^2 + t\sigma 3k$	a = 1.3; b = 2.42;
	$y = \frac{ a^2 - b^2 }{\sin kx} + 10^4 \sqrt[5]{ \sin kx - bc } - \frac{k^2 + tg3k}{e^{kx}}.$	c = 0.83; x = 1.5; k = 2
9	$\frac{3\sqrt{\ln r + a^2}}{\sqrt{10^2 + a^2}}$	k = 2. $c = 1.52;$
	$y = \frac{\sqrt[3]{\ln x + a^2}}{0.47x^2} - \left 0.47x^2 - \frac{10^4}{7} \cos^2 k \right - \frac{c}{x}$	a = -2.4; x = 0.29; k = 3.
10	$y = \frac{1.5(a-b)^2}{ a-b c} + \frac{i}{5} + 10^3 \sqrt{ a-b } - \frac{(a+x^2)\cos 7}{ix^2 + a^2bc}$	a = -2.5; b = 1.35; i = 3;
	$y = \frac{1}{ a-b c} + \frac{1}{5} + \frac{10^{5}}{\sqrt{ a-b }} - \frac{1}{ix^{2} + a^{2}bc}$	c = -0.72; x = 2.75.
11	$y = 10^4 \sin^2 i - \frac{0.32x^3 + 4x + b}{300x^3} \sqrt[6]{0.32x^3 - b} + b $	a = 3.5; b = -0.7; i = 2;
	$y = 10^{\circ} \sin^{\circ} i - \frac{1}{\cos ia} \sqrt{0.32x^{\circ} - b + b }$	x = 0.8.
12	$\cos i = ax^2 + d $. kx	d = -0.01; b = 1.25;
	$y = -\frac{\cos i}{\sin kx} + \frac{ax^2 + d }{(a+b)^2} - 10^4 \sqrt[6]{\frac{kx}{(a+b)^2}}.$	a = 4.72; i = 2;
	$\int \sin n \lambda \left(u + v \right) = \int \left(u + v \right)$	x = 2.25; k = 3.
13	$(x+a)^3 + x^4d = \sqrt[5]{ x+a }$	d = 0.95; b = 0.05; a = -3.25
	$y = \cos k(x-a) + 10^{-4} \frac{(x+a)^3 + x^4 d}{k(x-a)^3} + \frac{\sqrt[5]{ x+a }}{2.4b}.$ $y = \sqrt[5]{ ax^2 - b^3 } + \ln kx - \frac{e^{kx} + c^2}{\sin kx} - 10^{-3} \sqrt{2157}.$	x = 8.2; k = 4.
14	$\left[v - 5 \sqrt{ax^2 - b^3} + \ln kx - \frac{e^{kx} + c^2}{10^{-3}} \right] = 10^{-3} \sqrt{2157}$	c = 1.72; b = -0.31; a = 2.01;
	$\int_{0}^{\infty} \sqrt{y} = \sqrt{y} = \int_{0}^{\infty} \sqrt{x} = \int_{0}^{\infty} \sqrt{x}$	x = 0.48; k = 3.
15	$\sqrt{r^2+h}$	x = 2.5; b = 0.04;
	$y = \frac{1}{9} - 10^{-4} e^{kx} + \cos\sqrt{(x^2 + b)} + \frac{\sqrt{x^2 + b}}{0.4x} +$	k = 3; n = 5.
	$+\frac{\sin 3}{(x^2+b)n}$.	
	$(x^2+b)n$	