**ЛБ – 2. Условный оператор**

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| **Задание 1** | **Ответ** | **Задание 2** | **Ответ** | **Задание 3** | **Ответ** |
| **Program** Zad1;  **var**  x, y: real;  **begin**  readln(x);  **if** x > 3 **then**  y := sqr(x + 1)  **else**  y:= 1 / x;  writeln(y)  **end**. | 1 1  3 0.3333  5 36 | **Program** Zad2;  **var**  x, y: real;  **begin**  readln(x);  **if** x > 3 **then**  y := sqr(x)  **else**  **if** x = 3 **then**  y:= x  **else**  y:= x - 2;  writeln(y)  **end**. | 1 -1  3 3  5 25 | **Program** Zad3;  **const**  a = 2;  **var**  x, y: real;  **begin**  readln(x);  **if** x < 0 **then**  y := sqr(x) - a  **else**  **if** x >= a **then**  y:= ln(abs(x / a))  **else**  y:= 4 \* x + sqrt(x);  writeln(y)  **end**. | -1 -1  1 5  3 0.405465 |

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| **Задание 4** | **Ответ** |
| **program** lb2;  **const**  a = 26;  c = 28.96;  y = 1.3;  k = 9.86;  **var**  x, f: real;  **begin**  writeln('Введите x: ');  readln(x);  **if** x > 5 **then**  f := 0  **else**  **if** (x <= 5) **and** (x > 3) **then**  f := 1 / x \* ln(1 + 2 \* y) + c / (4 - exp(ln(3 \* y + 5 \* x) / 6))  **else**  **if** x = 0 **then**  f := sqr(x) \* x / y + a \* exp(ln(x) \* (2 - y \* x)) -   sqr(cos(x)) + exp(ln(x \* y) / 3) / (34 - a)  **else**  f := x + x / (x - y / (25 - k)) \* tan(k) / sqr(k + x) + sqr(y)   / sqrt(k);  writeln('f = ', f); | -5 -4.4424  0 -1.0000  3 3.5411  5 13.1376 |