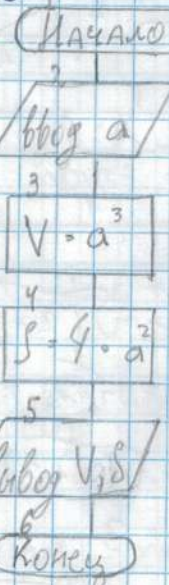
07.09.23

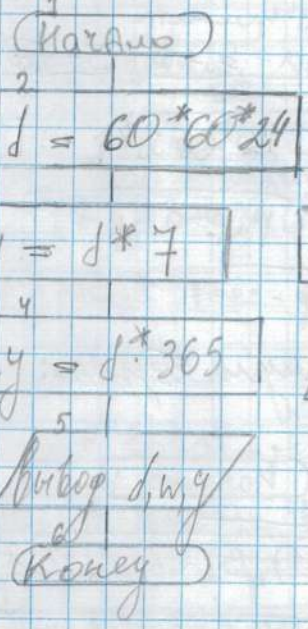
Методич. указания к лаб.р.

№ 1.

~5. р.13

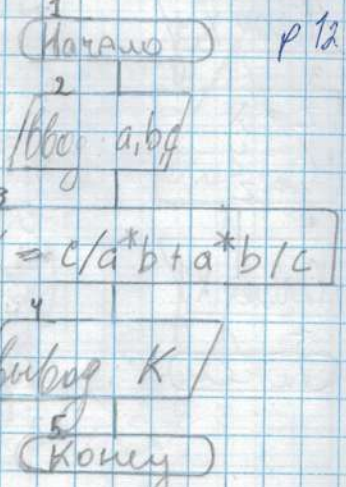


~6. р.13

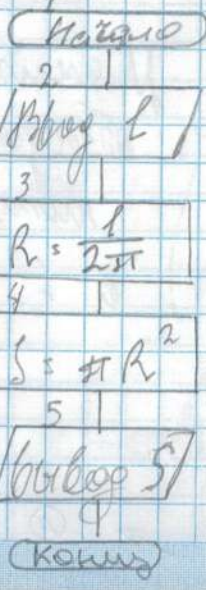


D/з

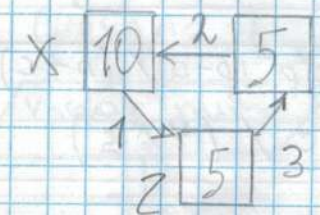
~1 (а) р.12



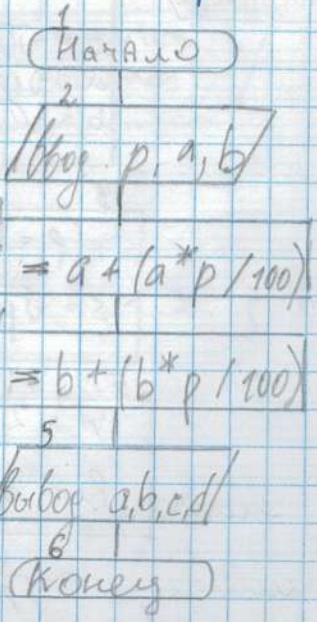
08.09.23 ~1.1 р.10



11.09.23



~7. р.13



№ 10 р 13.

1
(Начало)

Ввод x, y

3
z = x
x = y
y = z

4
Вывод x, y

5
(Конец)

№ 4 р 13.

сторона Δ

$\sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$

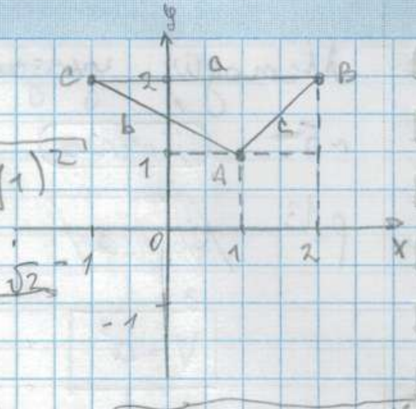
полупериметр

$p = \frac{a + b + c}{2} = \frac{3 + \sqrt{5} + \sqrt{2}}{2}$

$\approx 3,32514$

$S = \sqrt{p(p-a)(p-b)^* (p-c)} = 1,5$

Формула Герона



$c = \sqrt{(2-1)^2 + (2-1)^2} = \sqrt{2} = 1.41421$

$a = \sqrt{(2+1)^2 + (2-2)^2} = 3$

$b = \sqrt{(-1-1)^2 + (2-1)^2} = \sqrt{5} = 2,23607$

1
(Начало)

2
A(1,1), B(2;2), C(-1;2)

$c = \sqrt{(xB - xA)^2 + (yB - yA)^2}$
$a = \sqrt{(xC - xB)^2 + (yC - yB)^2}$
$b = \sqrt{(xA - xC)^2 + (yA - yC)^2}$

+2
Ввод xA, yA, xB, yB, xC, yC.

4
$p = (a + b + c)/2$
$S = \sqrt{p^*(p-a)^*(p-b)^*(p-c)}$

5
$W = 2^*\sqrt{b^*c^*p^*(p-a)}/(b+c)$
$R = a^*b^*c/(4^*S)$

6
Вывод W, R

7
(Конец)

Можно объединить в 1

(A)

№ 10 р 13.

1 Начало

Ввод x, y

3
z = x
x = y
y = z

4 Вывод x, y

5 Конец

№ 4 р 13.

сторона Δ

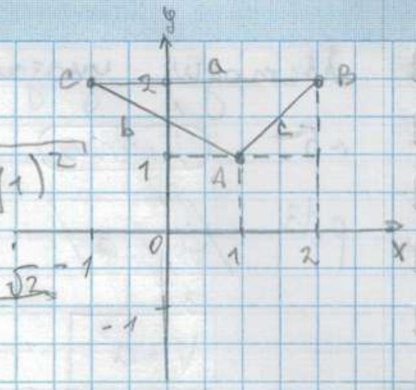
$\sqrt{(x_2-x_1)^2+(y_2-y_1)^2}$

полупериметр

$p = \frac{a+b+c}{2} = \frac{3+\sqrt{5}+\sqrt{2}}{2} \approx 3,32514$

$S = \sqrt{p(p-a)(p-b)(p-c)} = 1,5$

Формула Герона



$c = \sqrt{(2-1)^2+(2-1)^2} = \sqrt{2} = 1.41421$

$a = \sqrt{(2+1)^2+(2-2)^2} = 3$

$b = \sqrt{(-1-1)^2+(2-1)^2} = \sqrt{5} = 2,23607$

1 Начало

2 Ввод xA, yA, xB, yB, xC, yC

2
A(1,1), B(2;2), C(-1;2)
$c = \sqrt{(xB-xA)^2+(yB-yA)^2}$
$a = \sqrt{(xC-xB)^2+(yC-yB)^2}$
$b = \sqrt{(xA-xC)^2+(yA-yC)^2}$

4
p = (a+b+c)/2
s = √(p*(p-a)*(p-b)*(p-c))

5
W = 2*√(b*c*p*(p-a)) / (b+c)
R = a*b*c / (4*s)

6 Вывод W, R

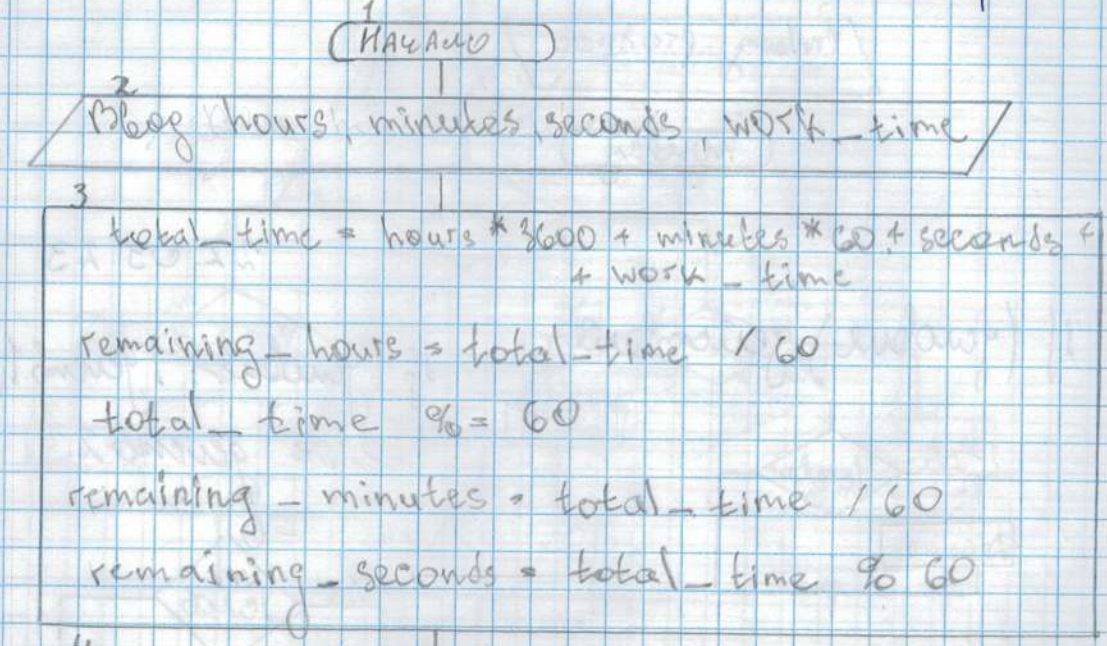
7 Конец

Можно объединить в 1

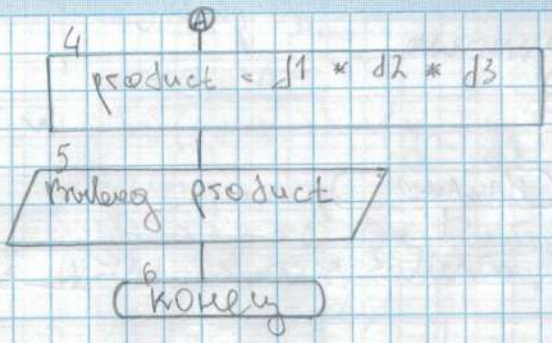
Ⓐ

Ⓐ ← соединительный

№ 12 р 13.

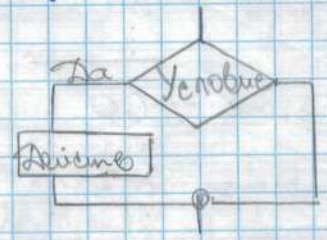


№ 13 р 12

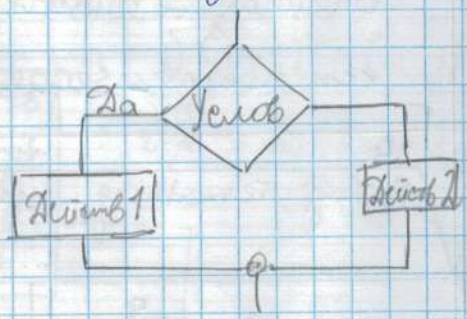


22.09.23

if (условие) действие;



if (условие ?) действ.1;
else действ.2.




```
int n;
cout << "Введите n: ";
cin >> n;
if (n%4 = 0 && n%10 != 0) {
    cout << "Кратно четырем";
}else {
    cout << "Не кратно четырем";
}
```