



Фиксация санитарных выходов:

|          |  |              |  |
|----------|--|--------------|--|
| 1 выход: |  | возвращение: |  |
| 2 выход: |  | возвращение: |  |
| 3 выход: |  | возвращение: |  |
| 4 выход: |  | возвращение: |  |
| 5 выход: |  | возвращение: |  |

Время окончания: 14.55

Всего листов: 4

$x < 6$

24 15 8 3

$116 \cdot 1^2 = 116, 2^2 + 5^2 + 1 \cdot 114 = 4 + 25 + 114$

$36 + 115 \cdot 1^2 = 115 + 36 =$

$1^2 \quad 2^2 \quad 3^2 \quad 4^2 \quad 5^2 \quad 99.6 =$

$= 151 > 144$

297

$144 - 116 = 28 + 1 - 16$

$144 = 2$

I  
 $28 + 1 - 4 = 25$   
 $28 + 1 - 9 = 20$   
 $28 + 1 - 16 = 13$   
 $28 + 1 - 25 = 4$

II  
 $25 + 1 - 4 = 22$   
 $25 + 1 - 9 = 17$   
 $25 + 1 - 16 = 10$   
 ~~$25 + 1 - 25 = 1$~~

II  
 $20 + 1 - 4 = 17$   
 $20 + 1 - 9 = 12$   
 $20 + 1 - 16 = 5$   
 ~~$20 + 1 - 25 = X$~~

II  
 $13 + 1 - 4 = 10$   
 $13 + 1 - 9 = 5$   
 ~~$13 + 1 - 16 = X$~~   
 ~~$13 + 1 - 25 = X$~~

~~$4 + 1 - 4 = 1$~~   
 ~~$4 + 1 - 9 = X$~~   
 ~~$4 + 1 - 16 = X$~~   
 ~~$4 + 1 - 25 = X$~~

III  
 $22 + 1 - 4 = 19$   
 $22 + 1 - 9 = 14$   
 $22 + 1 - 16 = 7$   
 ~~$22 + 1 - 25 = X$~~

III  
 $17 + 1 - 4 = 14$   
 $17 + 1 - 9 = 9$   
 ~~$17 + 1 - 16 = 2$~~   
 ~~$17 + 1 - 25 = X$~~

III  
 ~~$10 + 1 - 4 = 7$~~   
 ~~$10 + 1 - 9 = 2$~~   
 ~~$10 + 1 - 16 = X$~~   
 ~~$10 + 1 - 25 = X$~~

III  
 $12 + 1 - 4 = 9$   
 $12 + 1 - 9 = 4$   
 ~~$12 + 1 - 16 = X$~~   
 ~~$12 + 1 - 25 = X$~~

III  
 $5 + 1 - 4 = 2$   
 ~~$5 + 1 - 9 = X$~~   
 ~~$5 + 1 - 16 = X$~~   
 ~~$5 + 1 - 25 = X$~~

IV  
 $19 + 1 - 4 = 16$   
 $19 + 1 - 9 = 11$   
 $19 + 1 - 16 = 4$   
 ~~$19 + 1 - 25 = X$~~

IV  
 $14 + 1 - 4 = 11$   
 $14 + 1 - 9 = 6$   
 ~~$14 + 1 - 16 = X$~~   
 ~~$14 + 1 - 25 = X$~~

IV  
 $7 + 1 - 4 = 4$   
 ~~$7 + 1 - 9 = X$~~   
 ~~$7 + 1 - 16 = X$~~   
 ~~$7 + 1 - 25 = X$~~

IV  
 $9 + 1 - 4 = 6$   
 ~~$9 + 1 - 9 = 3$~~   
 ~~$9 + 1 - 16 = X$~~   
 ~~$9 + 1 - 25 = X$~~

IV  
 ~~$4 + 1 - 4 = 1$~~   
 ~~$4 + 1 - 9 = X$~~   
 ~~$4 + 1 - 16 = X$~~   
 ~~$4 + 1 - 25 = X$~~

V  
 ~~$16 + 1 - 4 = 13$~~   
 1)  $16 + 1 - 9 = 8$   
 ~~$16 + 1 - 16 = 1$~~   
 ~~$16 + 1 - 25 = X$~~

V  
 2)  $11 + 1 - 4 = 8$   
 3)  $11 + 1 - 9 = 3$   
 ~~$11 + 1 - 16 = X$~~   
 ~~$11 + 1 - 25 = X$~~

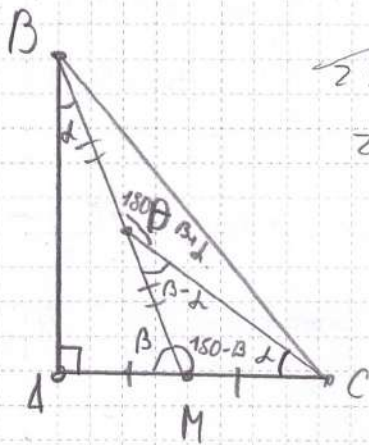
V  
 ~~$4 + 1 - 4 = 1$~~   
 ~~$4 + 1 - 9 = X$~~   
 ~~$4 + 1 - 16 = X$~~   
 ~~$4 + 1 - 25 = X$~~

V  
 4)  $6 + 1 - 4 = 3$   
 ~~$6 + 1 - 9 = 3$~~   
 ~~$6 + 1 - 16 = X$~~   
 ~~$6 + 1 - 25 = X$~~

$3 + 1 = 2?$   
 $8 + 1 = 9?$

1)  $3^2 + 3^2 + 2^2 + 2^2 + 2^2 + 2^2$  (100)  $34 + 10 = 4$   $2^2 + 2^2 \rightarrow 2^2 \rightarrow 3^2$   
 $2^2 + 3^2 + 3^2 =$   
 $2) 3^2 + 2^2 + 2^2 \rightarrow 3^2 + 2^2 + 2^2$   
 $2^2 + 2^2 + 3^2$   
 $3) 2^2 + 3^2 + 2^2 \rightarrow 3^2 + 2^2 + 2^2$   
 $3^2 + 2^2 + 3^2$

23 47 144.1



2 2 2 2

~~8 2~~  
4 2 2

4 4

3 3

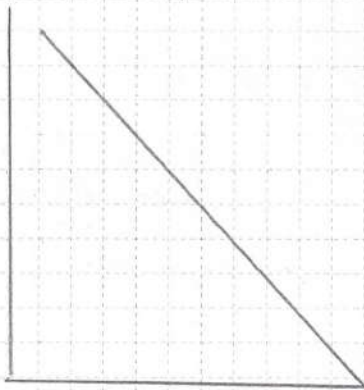
9

34 + 110

16 18  
4+4+4+4+9+9  
~~4+4+4+4+8+1~~  
16+4+4+9+9

33u

28+6-4-4-4-4-9-9

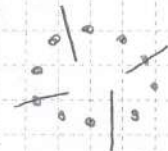


3 3 3

0 0 9 0 0 0

1u  
1cp  
1u

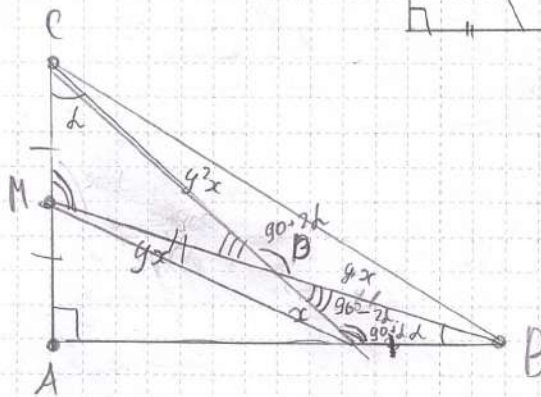
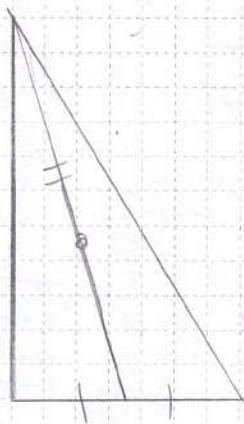
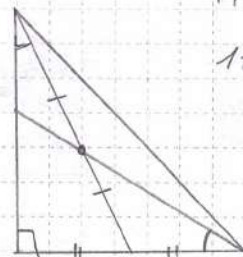
33



11

11B

1^2 + 1^2 =



115 + 25 = 140

4

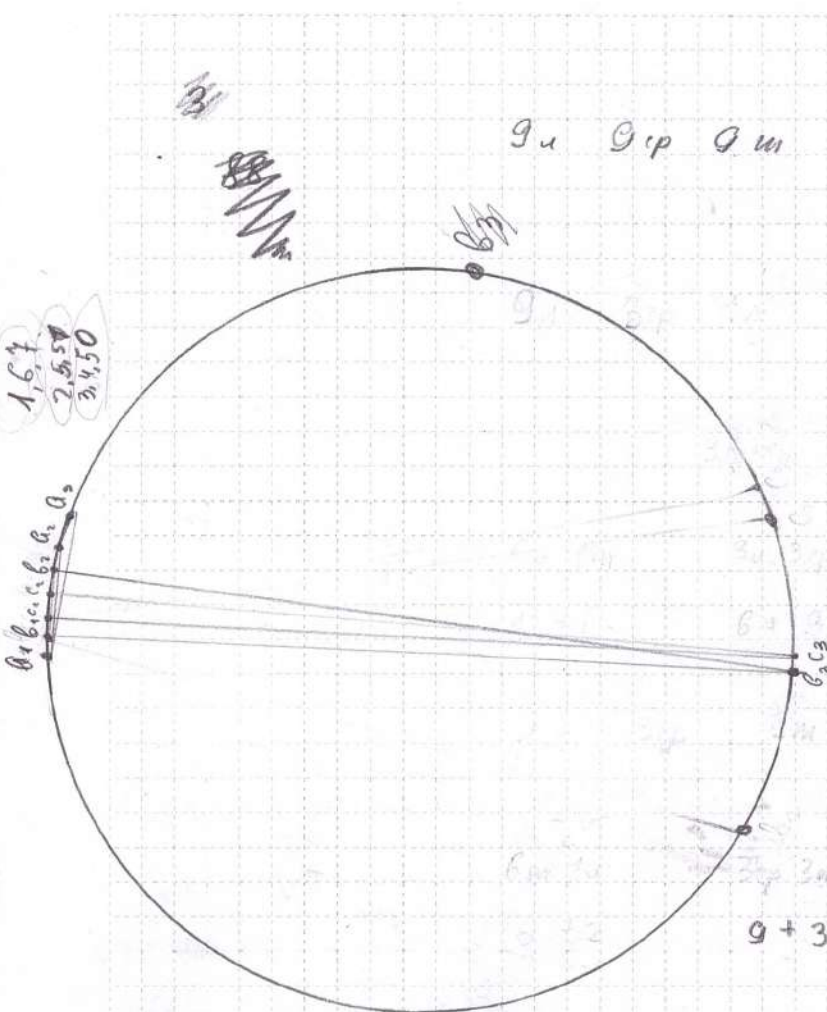
114 + 9 + 25 > 144

114 + 4 + 25 = 143

113 + 4 + 4 + 25 > 144

-249kp -249kp

+1



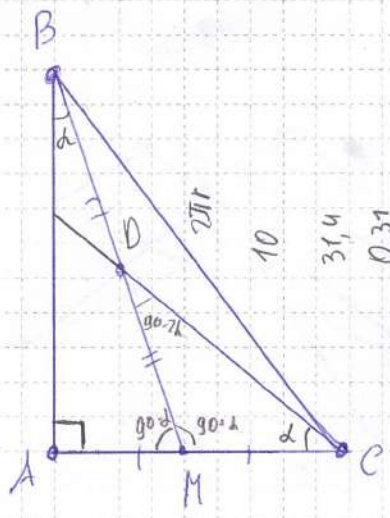
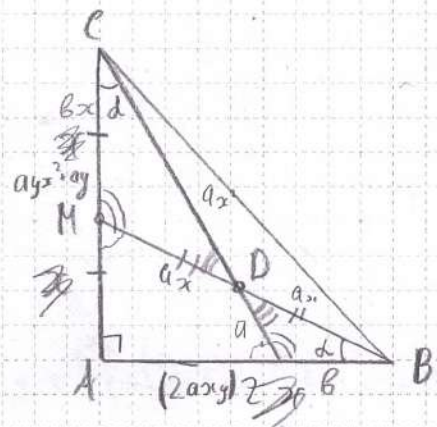
"л" "сп" "м"  
 I сп м л  
 II м л сп

200

9 6 3

$2x_1 + 3x_2$

$l = x$

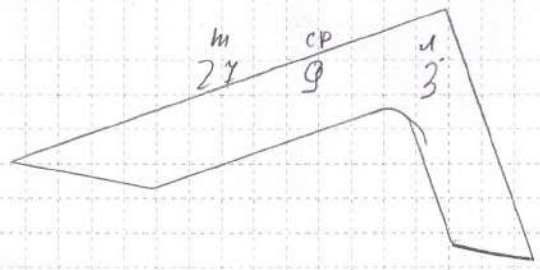


9 9 3 3 1 1

1 3 3

I 1m 2cp 1u 1cp  
 I 1+6 3+

II 2Y 9 1 3



|    |     |      |     |
|----|-----|------|-----|
|    | "l" | "cp" | "m" |
| I  | m   | l    | cp  |
| II | cp  | m    | l   |

$$3x_1 +$$

$$3l_1 + 1s_1 + 2t_1 = 3(99 - l_1) + 1(99 - s_1) + 2(99 - t_1)$$

$$3l_2 + 3s_2 + 1t_2 = 2(99 - l_2) + 3(99 - s_2) + 1(99 - t_2)$$

$$2l + 3s + t = 3l + s + 2t$$

$$198 - 2l + 297 - 3s + 99 - t = 297 - 3l + 99 - s + 198 - 2t$$

$$2s = l + t$$

$$5l + 4s + 3t = 594$$

$$7l + 5t = 594$$

$$594 = 6 \cdot 99 = 2 \cdot 3^3 \cdot 11$$

$$l = 52$$

$$7l = 364$$

$$230$$

$$t = 46$$

|      |    |    |
|------|----|----|
| "l"  | 52 | 47 |
| "m"  | 46 | 53 |
| "cp" | 49 | 50 |

$$156 \quad 92$$

$$52 \cdot 3 + 49 + 46 \cdot 2 = 297$$

$$141 \quad 106$$

$$47 \cdot 3 + 50 + 53 \cdot 2 = 297$$

$$104 \quad 147$$

$$52 \cdot 2 + 3 \cdot 49 + 46 = 297$$

$$94 \quad 150$$

$$47 \cdot 2 + 3 \cdot 50 + 53 = 297$$

19

$$3l + 1s + 2t = 3(9 - l) + 1(9 - s) + 2(9 - t)$$

$$2l + 3s + 1t = 2(9 - l) + 3(9 - s) + 1(9 - t)$$

$$3l + 2t + s = 18 - 2l + 27 - 3s + 9 - t$$

$$5l + 3t + 4s = 54$$

$$2s = l + t$$

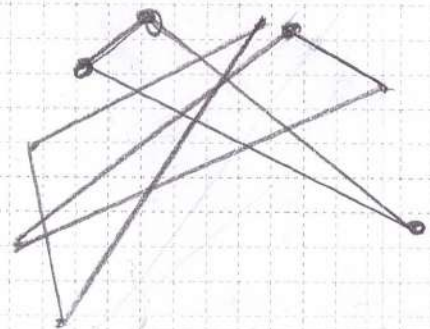
$$3l + 4s$$

$$7l + 5t = 54$$

$$l = 2 \quad t = 8$$

$$s = 5$$

|      |   |   |
|------|---|---|
| "l"  | 2 | 7 |
| "cp" | 5 | 4 |
| "m"  | 8 | 1 |



лч  
л 52  
т 48  
сп 49

47  
53  
50

"л" "сп" "т"  
т л сп  
сп т л

106  
I  $52 \cdot 3 + 49 + 48 \cdot 2 = 299$   
99  $47 \cdot 3 + 50 + 53 \cdot 2 = 247$  494

II  $52 \cdot 2 + 3 \cdot 49 + 48 = 293$   
 $47 \cdot 2 + 3 \cdot 50 + 53 = 297$

$47 \cdot 3 = 141$       $50$       $53 \cdot 2 = 106$

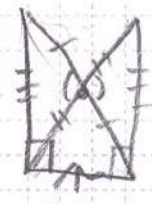
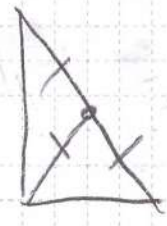
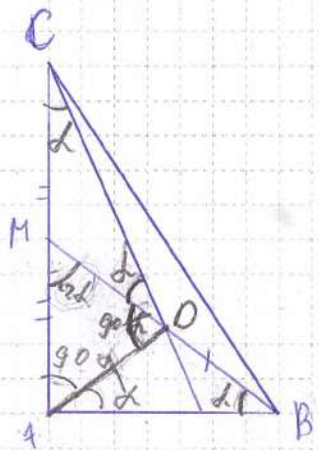
$$\begin{array}{r} 141 \\ + 106 \\ + 50 \\ \hline 297 \end{array}$$

$$\begin{array}{r} 1 \\ 106 \\ - 49 \\ \hline 57 \\ - 92 \\ \hline 297 \end{array}$$

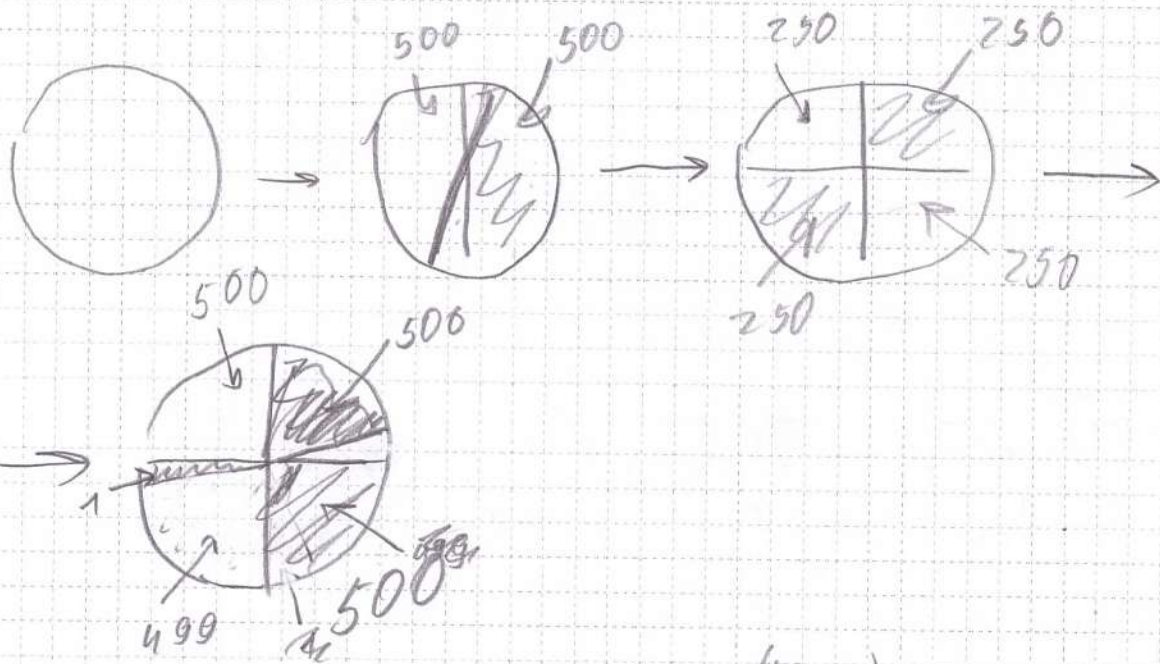
$99 \cdot 3 + 99 \cdot 2 + 99 \cdot 594$

$$\begin{array}{r} 594 \\ \times 2 \\ \hline 1188 \\ + 594 \\ \hline 1188 \end{array}$$

$$\begin{array}{r} 594 \\ \times 2 \\ \hline 1188 \\ + 594 \\ \hline 1188 \end{array}$$

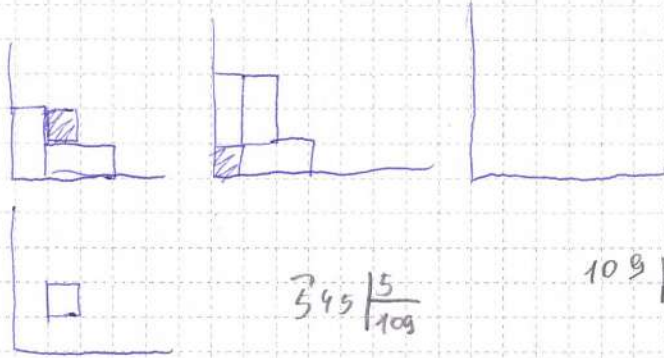


$90 + \alpha + 2\alpha \Rightarrow 180$   
 $3\alpha = 90$   
 $\alpha = 30$



$$\begin{aligned}
 & -x_{kp} + (500-x)_{kp} \\
 & + x_{\delta} - (500-x)_{\delta}
 \end{aligned}$$

250 250



$$\begin{array}{r} 395 \\ \hline 109 \end{array}$$

$$\begin{array}{r} 109 \\ \hline 13 \end{array}$$

547

547

$$\begin{array}{r} 1 \\ 4 \\ \hline 27 \\ 27 \\ \hline 189 \\ 54 \\ \hline \end{array} \quad \begin{array}{r} 23 \\ 23 \\ \hline 69 \\ 46 \\ \hline 529 \end{array}$$

~~$$\begin{array}{r} 547 \\ \hline 52 \\ 27 \\ \hline \end{array} \begin{array}{r} 13 \\ \hline 4 \end{array}$$~~

~~$$\begin{array}{r} 547 \\ \hline 51 \\ 37 \\ \hline \end{array} \begin{array}{r} 13 \\ \hline 8 \end{array}$$~~

~~$$\begin{array}{r} 10 \\ 547 \\ \hline 38 \\ 167 \\ \hline 157 \\ 15 \end{array} \begin{array}{r} 13 \\ \hline 288 \end{array}$$~~

$$\begin{array}{r} 547 \\ \hline 23 \end{array}$$

10

~~2~~

~~543~~

3

54513

p+?

2

p

544

546+p

10