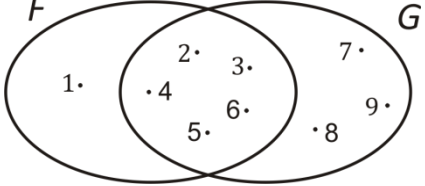
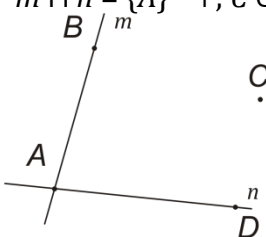
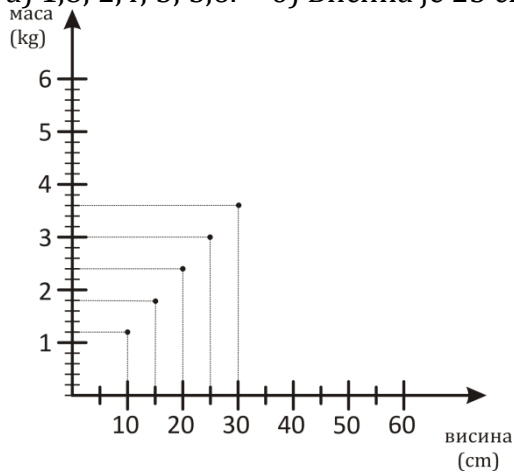


1.	а) $\perp$ ; б) $\top$ ; в) $\top$ ; г) $\top$ ; д) $\perp$ ; њ) $\perp$ .										
2.	а) $A = \{1, 2, 3, 4, 5\}$ , $n(A) = 5$ ; б) $B = \{16, 17, 18, 19, 20, 21, 22\}$ , $n(B) = 8$ ; в) $C = \{2, 3, 4\}$ , $n(C) = 3$ .										
3.	$F = \{2, 3, 4, 5, 6\}$ и $G = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$ . 										
4.	<table border="1" style="display: inline-table; margin-right: 20px;"> <tr><td>100</td></tr> <tr><td>80</td></tr> <tr><td>50</td></tr> </table> <table border="1" style="display: inline-table; margin-right: 20px;"> <tr><td><math>(54-14) \cdot 2</math></td></tr> <tr><td><math>(25+75) : 5</math></td></tr> <tr><td><math>10 \cdot 6 - 10 \cdot 5</math></td></tr> <tr><td><math>150 - 100 : 2</math></td></tr> </table> <table border="1" style="display: inline-table;"> <tr><td>20</td></tr> <tr><td>10</td></tr> <tr><td>40</td></tr> </table>	100	80	50	$(54-14) \cdot 2$	$(25+75) : 5$	$10 \cdot 6 - 10 \cdot 5$	$150 - 100 : 2$	20	10	40
100											
80											
50											
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$(25+75) : 5$											
$10 \cdot 6 - 10 \cdot 5$											
$150 - 100 : 2$											
20											
10											
40											
5.	1) $AD \cap BC = \{ \}$ ; 2) $Oa \cup OC = \{\overline{AC}\}$ ; 3) $AC \cap BD = \{O\}$ ; 4) $Ca \cap CB = \{C\}$ ;										
6.	$AD = 7,5 \text{ cm}$ .										
7.	$m \cap n = \{A\}$ - $\top$ ; $C \in m$ - $\perp$ ; $D \in m$ - $\perp$ ; $AB \subset m$ - $\top$ 										
8.	1) $A \in a$ ; 2) $M \notin b$ ; 3) $AB \not\subset c$ ; 4) $N \in a$ ; 5) $BC \subset c$ ; 6) $C \in c$ .										
9.	а) $A = \{6, 7, 8, 9, \dots, 50\}$ ; б) $B = \{6, 8, 10, 12, 14, \dots, 50\}$ ; в) $C = \{6, 9, 12, 15, 18, \dots, 48\}$ ; г) $D = \{7, 11, 13, 17, 19, 23, 29, 33, 35, 37, 41, 43, 47, 49\}$ ; д) $E = \{6, 12, 18, 24, 30, 36, 42, 48\}$ .										
10.	$\top, \top, \top, \perp, \perp, \top, \top, \top, \top, \perp, \top, \top$ .										
11.	$\alpha = 25^\circ$ , $\alpha = 45^\circ$ , $\alpha = 25^\circ 30'$ .										
12.	$\alpha = 140^\circ$ , $\beta = \gamma = \delta = 40^\circ$ ;										
13.	2)										
14.	а) 1685; б) 978; в) 20; г) 10 780.										
15.	81										
16.	а) 40; б) 45; в) 36; г) 90; д) 49.										
17.	Влада – 140. Симке – 90. Зоки – 10. Највећи број сакупио је Влада.										
18.	100.										
19.	$4 \frac{29}{40}$ .										
20.	$5 \frac{7}{25}$ .										
21.	6,2745.										
22.	187,5.										
23.	10 врећица.										

24.	$20; 7,5; 11\frac{3}{7}; 0,6; 59,1.$
25.	а) $x = \frac{16}{65}$ ; б) $y = \frac{5}{16}$ ; в) $a = 1\frac{3}{4}$ ; г) $x = 2\frac{6}{11}.$
26.	
27.	$x = 5 \mid x = 6 \mid x = 6 \mid x = 6 \mid x = 6$ $x = -5 \mid x = -6 \mid x = -6 \mid x = 6 \mid x = 2$
28.	2).
29.	г)
30.	$\alpha=90^\circ, \beta=15^\circ$ и $\gamma=75^\circ$ ; $\alpha_1=90^\circ, \beta_1=165^\circ$ и $\gamma_1=105^\circ.$
31.	4)
32.	
33.	
34.	а) $x = 2,8$ ; в) $x = 25,83.$
35.	а) $x \leq \frac{9}{2}$ ; б) $x > -\frac{3}{4}.$
36.	а) $x < \frac{10}{3}$ ; б) $\frac{17}{15} < x < \frac{83}{15}.$
37.	500.
38.	$\alpha=36^\circ, \beta=54^\circ$ и $\gamma=90^\circ.$
39.	а) $x \geq -\frac{7}{16}$ ; б) $x > 26.$
40.	212,4.
41.	5950.
42.	$\alpha=65^\circ, \beta=115^\circ.$
43.	
44.	$h=1,5$ cm.
45.	г)
46.	$O = 72\sqrt{3}$ cm <sup>2</sup>
47.	а) 4; б) 5; в) 3; г) $2^5.$
48.	$x_1 = x_2.$
49.	$x = 4, x = -9, x = 1,375.$
50.	$(x + 3)(x - 1); 2x^2 - 2x - 1; -2x^2 + x - 5.$
51.	$x = 0 \mid x = 0 \mid x = \frac{1}{4}$ $x = 5 \mid x = 4$
52.	б) $1\ 080^\circ$
53.	б)
54.	в)
55.	$r_0 = \frac{2\sqrt{3}}{3}$ cm, $O = \frac{4\sqrt{3}}{3}\pi$ cm, $P = \frac{4}{3}\pi$ cm <sup>2</sup>

56. а) 1,8; 2,4; 3; 3,6. б) Висина је 25 cm.



57. а)  $x = 2,4$ ; б)  $x = 1\frac{2}{3}$ ; в)  $x = 0,8$ .

58. 12.

59.  $r = \frac{31,6}{\pi} \text{ dm}$

60. а)  $8 : 6$ ;  
б)  $16 : 9$ .

61.  $\alpha = 210^\circ$ ,  $\beta = 105^\circ$ .

62.

63.  $a_1 = 18 \text{ cm}$ ,  $b_1 = 12 \text{ cm}$  и  $c_1 = 6 \text{ cm}$ .

64.  $a_1 = 16 \text{ cm}$ ,  $b_1 = 12 \text{ cm}$ .

65. 72.

66.  $O = 16 \text{ cm}$ .

67.  $x \geq 3\frac{2}{3}$ .

68.  $p < 0$ .

69. 281,25 hl

70.  $P = (8\sqrt{3} + 96\sqrt{2}) \text{ cm}^2$ .

71.  $P = (32\sqrt{3} + 240) \text{ cm}^2$ .

72.  $V = 2400 \text{ m}^3$

73.  $V = 30\sqrt{3} \text{ hl}$

74.  $V = 96 \text{ cm}^3$

75.  $V = 24\sqrt{2} \text{ cm}^3$

76.  $P = 75(\sqrt{3} + 1) \text{ cm}^2$ .

77.  $m = 2$ ,  $y = -2x$

78. Функције су опадајуће.

79.  $O=16$ ,  $P=15$ .

80.  $x = 25$   
 $y = 18$

81.	$x = 48$ $y = 16$
82.	$x = 7,2$ $y = 9,6$
83.	$H:r = 1:2$
84.	$m = 18,6 \text{ g}$ (један новчић)
85.	$V = 192\pi \text{ cm}^3$