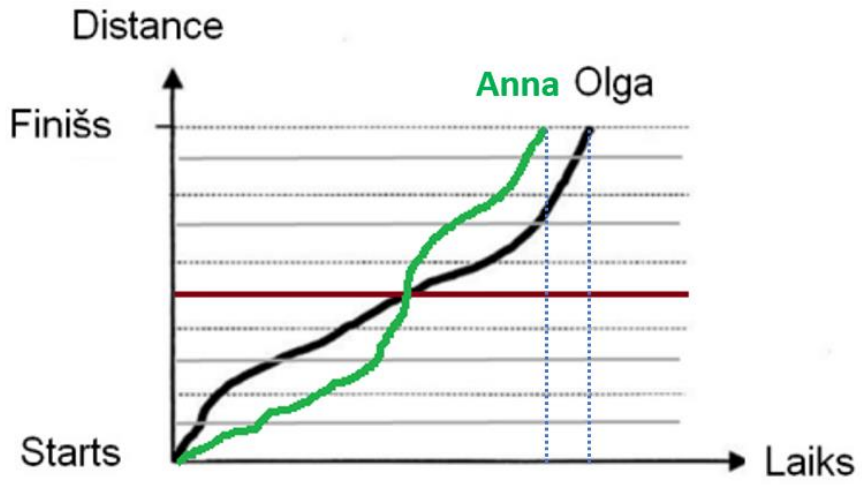
Eksāmens matemātikā 9. klasei 2021

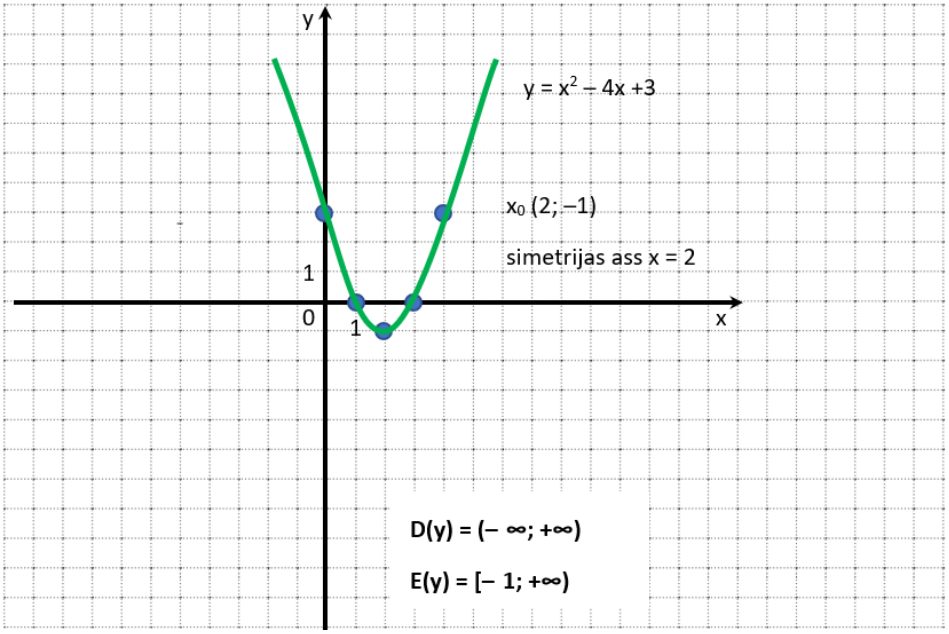
(Atbildes)

1. daļa

1.	**Aplams**
2.	**Aplams**
3.	**Patiess**
4.	**Aplams**
5.	**Patiess**
6.	**C**
7.	**D**
8.	**D**
9.	**A**
10.	**D**
11.	$\boldsymbol{\frac{4}{5}}$
12.	$\boldsymbol{\frac{ab}{2}}$
13.	$\boldsymbol{-2}$
14.	$\boldsymbol{a^2 - 1}$
15.	$\boldsymbol{(7 - c)(7 + c)}$
16.	$\boldsymbol{4\sqrt{5}}$
17.	$\boldsymbol{\frac{1}{9}}$

18.	**20**
19.	**112n + 3,50m**
20.	**(0; 20)**
21.	**52°**
22.	**Piem.:** $\Delta BCO = \Delta DAO$
23.	$\Delta BCO \sim \Delta DAO$
24.	$S_{AKCL} = 12$
25.	**Piemēram…** 

2. daļa

1.	$(-\infty;\ -2)$; $-2,5 \in (-\infty;\ -2)$
2.	
3.	3.1. **AC= $5\sqrt{3}$** 3.2. **1. ΔADB – vienādsānu; <B = <DAB = (180° – 120°) : 2 = 30°** **2. ΔACD – taisnleņķa; <CAD = 90° – (120° – 60°) = 30°** **3. <DAB = 30°** **<CAD = 30°** } **tātad AD – <CAB bisektrise, jo…**
4.	4.1. … 115 + x = 122,2; **x = 7,2kg** 4.2. … 2,2 : 5 = 0,44 = **44%**
5.	… $\begin{cases} x = 1,4 \\ y = 2,2 \end{cases}$

6.	**56 dažādi kodi**
7.	… 8 × 2,99 = **23,92 eiro**
8.	… 3x – 60 + 2x = 45 **x = 21 (precīzo metienu skaits)**
9.	9.1. **S = x × (10 – 2x)** 9.2. **B** 9.3