

a)
$$n = \binom{43}{2} = 78$$
 $P(A) = \frac{6}{78} = \frac{0.08}{0.08}$ $m = \binom{4}{2} = 6$

(b)
$$n = 78$$

$$m = {4 \choose 1} {9 \choose 1} + {4 \choose 2} = 4.9 + 6 = 42$$

$$P(8) = \frac{42}{78} = 0.54$$

c)
$$n = 78$$
 $P(c) = \frac{12}{78} = 0.15$
 $m = \binom{12}{1} \cdot \binom{1}{1} = 12 \cdot 1 = 12$

A)
$$n = 78$$
 $P(D) = \frac{15}{75} = 0.19$ $m = \binom{6}{2} = 15$

8. T (3,1)	y = M · (x - r) 2+M
A(2,-1)	$y = u \cdot (x - x)^{2} + q$ -1 = $u \cdot (2 - 3)^{2} + 1$
	-1 = u +1
\$(x)=-2x2+12x-17	-2=4

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$$y = -2(x-3)^{2}+1$$

$$y = -2(x^{2}-6x+9)+1$$

$$y = -2x^{2}+12x-17$$

9.
$$y = x^2 - 6x + 5$$

 $2x - 7 - x^2 - 6x + 5$
 $2x - 7 - x^2 - 6x + 5$
 $2x - 7 - x^2 - 6x + 5$
 $x^2 - 8x + 12 - 0$
 $(x - 6)(x - 2) = 0$
 $x - 6x + 12 - 0$
 $(x - 6)(x - 2) = 0$
 $x - 6x + 12 - 0$
 $(x - 6)(x - 2) = 0$
 $x - 6x + 12 - 0$
 $(x - 6)(x - 2) = 0$
 $x - 6x + 12 - 0$
 $(x - 6)(x - 2) = 0$
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 $x - 6x + 12 - 0$
 $(x - 6)(x - 2) = 0$
 $x - 6x + 12 - 0$
 $(x - 6)(x - 2) = 0$
 $(x - 6)(x - 2) = 0$
 $(x - 6)(x - 2) = 0$

10.
$$-2(x^{+}1)^{2} \le -8$$

 $-2(x^{+}+2x^{+}1)+8 \le 0$
 $-2x^{+}-4x+6 \le 0$
 $-2(x^{2}+2x-3) \le 0$
 $-2(x^{+}3)(x-1) \le 0$
 $\times_{1}=-3$ $\times_{2}=1$ $\times \in (-\infty, -3] \cup [1, \infty)$

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7. $(2^{x-8})^{x-2} = \frac{4}{32}$ $2^{(x-8)\cdot(x-2)} = 2^{-5}$ $2^{x^2-40x+46} = 2^{-5}$ $x^2-40x+24=0$ (x-7)(x-3)=0 $x_4=7$ $x_2=3$	1-1 Mg = 1	13 .
8. $\sqrt{2^{3\times}}$, $2^{2\times 1}$, 2.4	$\xrightarrow{\frac{3\times}{2}} \longrightarrow 2^{\frac{3\times}{2}}, 2^{2\times 4}$	1, 23x+1
$2 \sqrt[3]{4 \cdot b}$ $2^{2 \times 1} = \sqrt{2^{\frac{3 \times}{2}} \cdot 2^{3 \times 1}}$ $2^{2 \times 1} = \sqrt{2^{\frac{3 \times}{2}} \cdot 2^{3 \times 1}}$ $2^{4 \times 2} = 2^{\frac{3 \times}{2} \cdot 1}$ $4 \times 2 = \frac{3 \times}{2} \cdot 1$ $-\frac{1}{2} \times -1$ $\times 2$		
9. 100, 97, 94, 11 = 100 11 = -3	4n < 31 103-3n < 31 -3n < -72 /:(3)	$S_{50} = \frac{50}{2} \cdot (44 \cdot 450)$ $S_{50} = 25 \cdot (100 \cdot 47)$ $S_{50} = 25 \cdot 53$
un = 100 + (n-1)·(-3) un = 100 - 3n + 3 un = 103 - 3n	906: Od velgicino 24 ilma. 450 = 103-3.50 = -47	5 ₅₀ = 1325

1. 4(x) = ax=+bx-4 0=4a-2b x=-2 - B(-2,0)	F: +386 (0)4 25 95 405
A (4,-24) -24 = 16 a +	M: +386 (0)41 744 178
44-26=4 /2	
164+46=-20	V-1-1-10/162
8m-4L=8 -2-2L=4	
16 A + 4 L = - 20 - 2 L = 6 /: (-)	2) 1 - 4 - (x + 5) 8h- 4
244 = -12 /24 6=-3	2-7/2-127 × D = 1
4 - 2	
V 6 = 87	
2. y = -0,5x +x +1,5 NICELNA:	y = a (x - x,) (x - x 2)
D=1+3	y=-0,5 (x+1) (x-3)
$D = 4$ $x_1 = \frac{-4+2}{-1} = -1$	(1)
√0 = 2 ×2 = -4-2 = 3	To Trees of the Contract of th
TEMENSKA: Y = A (x	
y= -4 = 2 y0,5	$(x-1)^2 + 2$
2 //\ // 2\2	MAN SAN CE A
3. 1/x)=-1(x+2)=+1 - x=-2 q=1 T(-	2,11
(x) = -1 (x = +4x +4) +1	↑ ^y
$f(x) = -x^2 - 4x - 3$ $f(x) = -1(x^2 + 4x + 3)$	+
f(x) = -1 (x+3)(x+1)	- 18 V - 1
x, = -3 x, = -1	4
x1 - 3 x1 - 4	-2 -1 4
N(0-3)	14
11.17	1
2,1	-3

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$\frac{10. \frac{4}{2} + \frac{2}{x} + \frac{8}{x^2} + \dots}{S = \frac{2}{3}}$ $k = \frac{2}{x} : \frac{4}{2} = \frac{2}{x} : \frac{2}{4} = \frac{2}{x^2}$		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		
11. log2 (x+2), 3 2 = 2 3 = log2 (x+2) + log2 (3 6 = log2 (x+2) · (log2 64 = log2 (64 - 9x2 + 16x - 9x2 + 16x - 68 = (9x-2) 9x-2) 9x-2×+18x-4	PR. log log PR. log log	12 (2+2) = log 2 4 = 12 (18-2) = log 2 10	$6 = 4$ $\sqrt{\frac{18}{3}} = \log_{1} \frac{16}{3} / 2$
D = 256 + 2448 D = 2704 X	= -16+52 - 18 = 2 16-52 18 = -18			

8. 0, 1, 2, 3, 5, 6, 7, 9 ← Natevila marijan vol 600 T: +386 (0)4 25 95 400 M: +386 (0)41 744 178 9. SLOVENIJA n = (3) = 84 P(A) = m = 4 = 0,048 m = 4 m4 = (3) = 10 m2 = (4) = 4 P(B) = 1 - 10+4 = 0,83 10. 5 knjig: 1 roman, 2 penni in 2 nibenika P(A) = 1.4! = 24 n = 5! 11 20 wick - 3 prame A) 10 (A) + (A) - (A) = 1088 P(A) = 1140 = 0,95 m (20) = 1140 Penazua (3) 3 17 BERTON = 1 P(B) = 1/4140 = 0,0009 (3) = 1140

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	=
4x2+bx-81=0	
D=0 (0,546 5	No.
L2-4.(-1)-(-81)-0	=
$L^2 - 324 = 0$. =
b2= 324	OK =
b, = 18	
b2 = -18	3 F
- NI	E
5. Jx+7 +3 = 3x PR.1: J3 +3 = 6	E
1x+7 = 3x-3 /	E
x+7=9x2-18x+9	
$9x^2-19x+2=0$ PR. 2: $\sqrt{\frac{26}{9}}=-\frac{26}{9}$	-
D=361-72	
D=289 = 19+17 = 7	
10 = 13 ×1 10-17 ×2 10-17 ×2 1/2	E
NE -	. =
6. A: k = 5: 12 - 4 = 5x = 15cm 392 - (5x)2+ (12x)2	. =
hir = 39 cm b= 12x = 36 cm 1521 = 25x2 + 144x2	=
1521 = 169 x = /: 169	₹ €
9 · x 2 /4 (10 pt 10)	(E
x=3	E
(Englary) No.	
7. y = (2m-1)x2 - (m-2)x+4	131 E
	E
VIETOVI FORMULI: $x_1 + x_2 = \frac{-b}{a}$	E
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	WE
2m = 5	E
m = 5/1	
M_1	E
	E
	=
	- 5
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