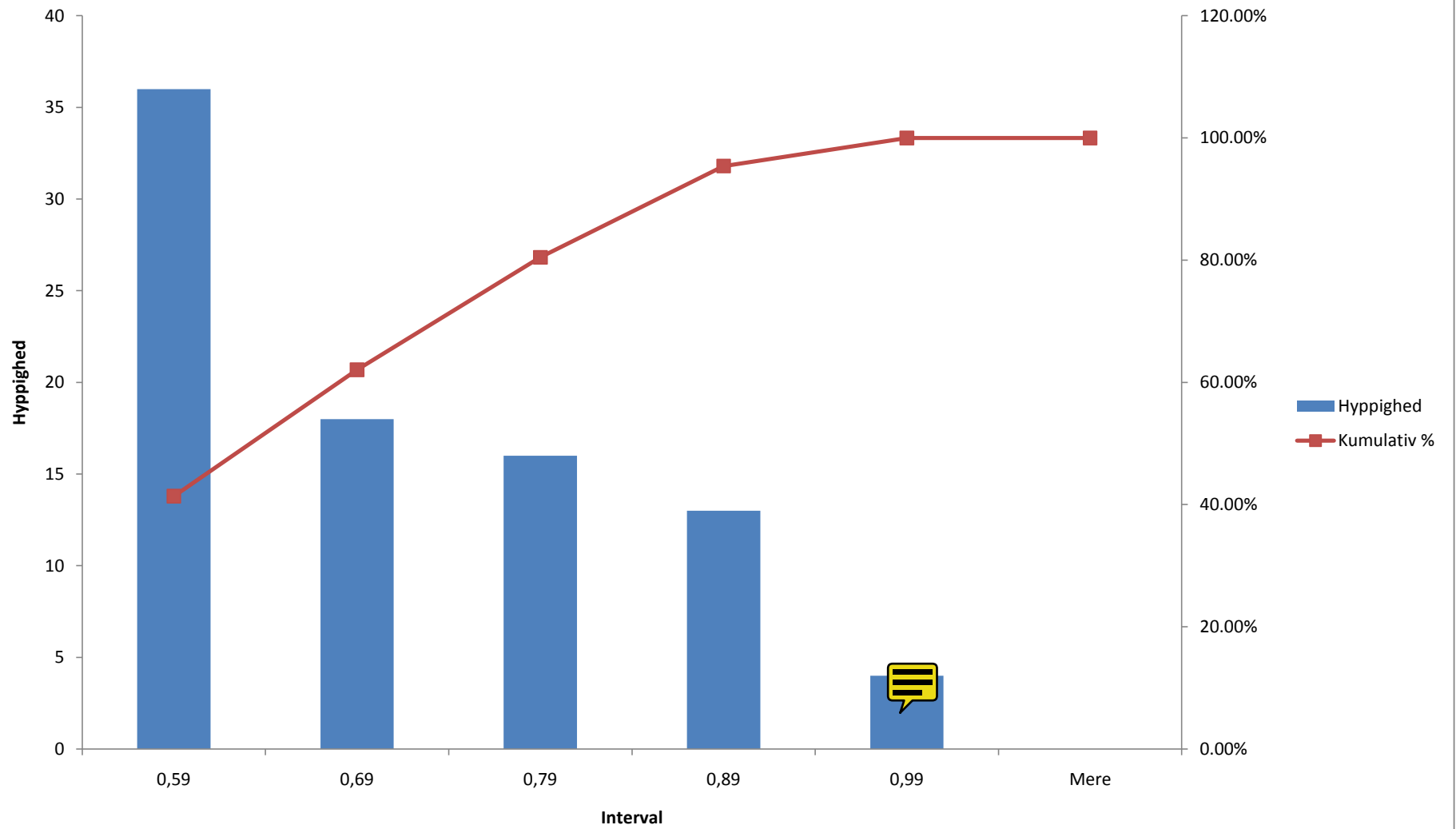




Histogram



 **2009 Matematik 1A Hold 2 Aalborg : Gradebook**



Welcome Morten Nielsen
[My Profile]

[System Homepage](#) » [Class Homepage](#) » [Gradebook](#) » Item Statistics

Actions	Content Manager	Gradebook	Help	Logout
-------------------------	---------------------------------	---------------------------	----------------------	------------------------

▼ [Search Panel](#)

Assignment Name	Assignment Type	User	Show Results	Completed/In Progress	Date Range
<input type="text" value="MR1 opgavesæt januar 2010 - Homework/Quiz"/> prøvesæt 1 - Homework/Quiz prøvesæt 2 - Homework/Quiz prøvesæt 3 - Homework/Quiz EKSAMEN januar 2009 - Homework/Quiz	Proctored Homework/Quiz Mastery External Select: All None	<input type="text"/>	<input checked="" type="radio"/> Best <input type="radio"/> Average <input type="radio"/> Most recent <input type="radio"/> All	<input checked="" type="radio"/> Completed <input type="radio"/> In Progress <input type="radio"/> To Be Reviewed <input type="radio"/> All	Date from: <input type="text"/> clear Date to: <input type="text"/> clear

▼ [View Panel](#)

Assignment	Student	Grade Style	View Results For	List	Summary Data
<input type="checkbox"/> Start date	<input type="checkbox"/> Last name	<input checked="" type="radio"/> Numeric	<input checked="" type="checkbox"/> Students	<input type="radio"/> All users	<input type="checkbox"/> # Attempts/student
<input type="checkbox"/> Start time	<input type="checkbox"/> First name	<input type="radio"/> Percentage	<input type="checkbox"/> Instructors	<input checked="" type="radio"/> Only users with grades	<input checked="" type="checkbox"/> Average score
<input type="checkbox"/> End date	<input type="checkbox"/> MI	<input type="radio"/> Letter	<input type="checkbox"/> Proctors		<input type="checkbox"/> # Attempts
<input type="checkbox"/> End time	<input type="checkbox"/> Login				<input checked="" type="checkbox"/> Total points
<input type="checkbox"/> # attempts	<input type="checkbox"/> Email				<input type="checkbox"/> Weighting
<input type="checkbox"/> Duration	<input type="checkbox"/> Student ID				

Submit



▼ [MR1 opgavesæt januar 2010](#)

Question	Description	Success rate	p-Value	d-Value	Count	Correct	Partial	Incorrect
(1)	1 eqn1. Sect. 1. Qu. 1	0.053	0.053	0.125	19	1	0	18
	2 eqn1. Sect. 1. Qu. 2	0.167	0.167	0.4	24	4	0	20
	3 eqn1. Sect. 1. Qu. 3	0.76	0.76	0.383	25	19	0	6
	4 eqn1. Sect. 1. Qu. 4	0.789	0.789	0.179	19	15	0	4
(2)	1 Spørgsmål 1	0.389	0.278	0.583	18	5	4	9
	2 Spørgsmål 2	0.111	0.111	0.25	18	2	0	16
	3 Spørgsmål 3	0.37	0.217	0.106	23	5	7	11
	4 Spørgsmål 4	0.125	0.125	0.2	16	2	0	14
	5 Spørgsmål 5	0.444	0.278	0.221	18	5	6	7
(3)	1 vol1. Sect. 1. Qu. 1	0.776	0.619	0.476	42	26	14	2
	2 vol1. Sect. 1. Qu. 2	0.81	0.681	0.397	47	32	13	2
(4)	1 polint2. Sect. 1. Qu. 1	0.717	0.609	0.015	23	14	5	4
	2 polint2. Sect. 1. Qu. 2	0.544	0.235	0.329	17	4	10	3
	3 polint2. Sect. 1. Qu. 3	0.574	0.444	0.35	27	12	7	8
	4 polint2. Sect. 1. Qu. 4	0.54	0.44	0.513	25	11	5	9
(5)	linapp1. Sect. 1. Qu. 1	0.54	0.345	0.437	87	30	34	23
(6)	1 Degree 2	0.824	0.735	0.6	34	25	6	3
	2 Degree 3	0.71	0.484	0.298	31	15	13	3
	3 tay1. Sect. 1. Qu. 1	0.64	0.64	0.169	25	16	0	9
(7)	1 curv1. Sect. 1. Qu. 1	0.791	0.694	0.131	49	34	7	8
	2 kurve1. Sect. 1. Qu. 1	0.667	0.524	0.286	42	22	13	7
(8)	1 Exercise 1	0	0	0	3	0	0	3
	2 Exercise 2	0.667	0.667	1	6	4	0	2
	3 Exercise 3	0.833	0.833	-0.5	6	5	0	1
	4 Exercise 4	1	1	0	4	4	0	0
	5 Exercise 1	0.833	0.833	0.5	6	5	0	1
	6 Exercise 2	0.75	0.75	0.086	12	9	0	3
	7 Exercise 3	0.75	0.75	0.133	8	6	0	2

	8 Exercise 4	0.857	0.857	0.25	7	6	0	1	
	9 Exercise 1	0.5	0.5	-1	2	1	0	1	
	10 Exercise 2	0.5	0.5	0.667	4	2	0	2	
	11 Exercise 3	1	1	0	4	4	0	0	
	12 Exercise 4	0.375	0.375	0.467	8	3	0	5	
	13 Exercise 1	0.8	0.8	-0.25	5	4	0	1	
	14 Exercise 2	0.625	0.625	0.467	8	5	0	3	
	15 Exercise 3	1	1	0	4	4	0	0	
	16 Exercise 4	0.8	0.8	-0.8	5	4	0	1	
(9)	tangent1, Sect. 1, Qu. 1	0.835	0.621	0.417	87	54	29	4	
(10)	1 idextr, Sect. 1, Qu. 1	0.708	0.615	0.524	13	8	3	2	
	2 idextr, Sect. 1, Qu. 2	0.733	0.6	0.545	15	9	4	2	
	3 idextr, Sect. 1, Qu. 3	0.525	0.125	0.25	8	1	6	1	
	4 idextr, Sect. 1, Qu. 4	0.725	0.625	0.467	8	5	3	0	
	5 idextr, Sect. 2, Qu. 1	0.639	0.611	0.111	18	11	1	6	
	6 idextr, Sect. 2, Qu. 2	0.7	0.7	0.25	10	7	0	3	
	7 idextr, Sect. 2, Qu. 3	0.692	0.692	0.175	13	9	0	4	
	8 idextr, Sect. 2, Qu. 4	0.5	0.375	-0.25	8	3	2	3	
(11)	1 localext, Sect. 1, Qu. 1	0.417	0.417	0.625	12	5	0	7	
	2 localext, Sect. 1, Qu. 2	0.4	0.4	0.4	10	4	0	6	
	3 localext, Sect. 1, Qu. 3	0.111	0.111	-0.167	9	1	0	8	
	4 localext, Sect. 1, Qu. 4	0.462	0.462	0.167	13	6	0	7	
	5 dirderiv, Sect. 1, Qu. 1	0.6	0.6	0.054	15	9	0	6	
	6 dirderiv, Sect. 1, Qu. 2	0.667	0.667	0.571	12	8	0	4	
	7 dirderiv, Sect. 1, Qu. 3	0.357	0.357	0.067	14	5	0	9	
	8 dirderiv, Sect. 1, Qu. 4	0.625	0.625	0.5	8	5	0	3	
(12)	1 Dobbeltintegral, trekantsområde 1	0.696	0.571	0.571	14	8	4	2	
	2 Dobbeltintegral, trekantsområde 2	0.533	0.533	0.056	15	8	0	7	
	3 Dobbeltintegral, trekantsområde 3	0.75	0.625	-0.067	8	5	2	1	
	4 Dobbeltintegral, trekantsområde 4	0.578	0.438	0.633	16	7	4	5	
	5 Dobbeltintegral, trekantsområde 1	0.583	0.167	0.5	6	1	4	1	
	6 Dobbeltintegral, trekantsområde 2	0.455	0.273	0.036	11	3	3	5	
	7 Dobbeltintegral, trekantsområde 3	0.727	0.727	0.75	11	8	0	3	
	8 Dobbeltintegral, trekantsområde 4	0.521	0.417	0.778	12	5	2	5	
(13)	1 intorder2, Sect. 1, Qu. 1	0.792	0.75	0.111	12	9	1	2	
	2 intorder2, Sect. 1, Qu. 2	0.625	0.625	0.333	16	10	0	6	
	3 intorder, Sect. 1, Qu. 1	0.633	0.6	0.75	15	9	1	5	
	4 intorder, Sect. 1, Qu. 2	0.69	0.619	0.418	21	13	3	5	
	5 intorder, Sect. 1, Qu. 3	0.9	0.8	-0.19	10	8	2	0	
	6 intorder, Sect. 1, Qu. 4	0.806	0.667	0.75	18	12	5	1	
(14)	1 Exercise 1	0	0	0	0	0	0	0	
	▼ 2 Exercise 2	0	0	0	4	0	0	4	
	Choices		Frequency	Chart					
	1) True		4						
	2) False		0						
	▼ 3 Exercise 3		0	0	0	1	0	0	1
	Choices		Frequency	Chart					
	1) True		1						
	2) False		0						
	▼ 4 Exercise 4		1	1	1	3	3	0	0
	Choices		Frequency	Chart					
	1) True		3						
	2) False		0						
	▼ 5 Exercise 5		0.5	0.5	-0.5	2	1	0	1
Choices		Frequency	Chart						
1) True		1							
2) False		1							

▼ 6	Exercise 6	0.5	0.5	1	4	2	0	2									
<table border="1"> <thead> <tr> <th>Choices</th> <th>Frequency</th> <th>Chart</th> </tr> </thead> <tbody> <tr> <td>1) True</td> <td>2</td> <td></td> </tr> <tr> <td>2) False</td> <td>2</td> <td></td> </tr> </tbody> </table>		Choices	Frequency	Chart	1) True	2		2) False	2								
Choices	Frequency	Chart															
1) True	2																
2) False	2																
▼ 7	Exercise 1	0	0	0	1	0	0	1									
<table border="1"> <thead> <tr> <th>Choices</th> <th>Frequency</th> <th>Chart</th> </tr> </thead> <tbody> <tr> <td>1) True</td> <td>1</td> <td></td> </tr> <tr> <td>2) False</td> <td>0</td> <td></td> </tr> </tbody> </table>		Choices	Frequency	Chart	1) True	1		2) False	0								
Choices	Frequency	Chart															
1) True	1																
2) False	0																
▼ 8	Exercise 2	1	1	-1	1	1	0	0									
<table border="1"> <thead> <tr> <th>Choices</th> <th>Frequency</th> <th>Chart</th> </tr> </thead> <tbody> <tr> <td>1) True</td> <td>1</td> <td></td> </tr> <tr> <td>2) False</td> <td>0</td> <td></td> </tr> </tbody> </table>		Choices	Frequency	Chart	1) True	1		2) False	0								
Choices	Frequency	Chart															
1) True	1																
2) False	0																
▼ 9	Exercise 3	0.6	0.6	0.667	5	3	0	2									
<table border="1"> <thead> <tr> <th>Choices</th> <th>Frequency</th> <th>Chart</th> </tr> </thead> <tbody> <tr> <td>1) True</td> <td>1</td> <td></td> </tr> <tr> <td>2) False</td> <td>3</td> <td></td> </tr> </tbody> </table>		Choices	Frequency	Chart	1) True	1		2) False	3								
Choices	Frequency	Chart															
1) True	1																
2) False	3																
▼ 10	Exercise 4	0	0	0	1	0	0	1									
<table border="1"> <thead> <tr> <th>Choices</th> <th>Frequency</th> <th>Chart</th> </tr> </thead> <tbody> <tr> <td>1) True</td> <td>1</td> <td></td> </tr> <tr> <td>2) False</td> <td>0</td> <td></td> </tr> </tbody> </table>		Choices	Frequency	Chart	1) True	1		2) False	0								
Choices	Frequency	Chart															
1) True	1																
2) False	0																
▼ 11	Exercise 5	0.667	0.667	0.5	3	2	0	1									
<table border="1"> <thead> <tr> <th>Choices</th> <th>Frequency</th> <th>Chart</th> </tr> </thead> <tbody> <tr> <td>1) True</td> <td>2</td> <td></td> </tr> <tr> <td>2) False</td> <td>1</td> <td></td> </tr> </tbody> </table>		Choices	Frequency	Chart	1) True	2		2) False	1								
Choices	Frequency	Chart															
1) True	2																
2) False	1																
12	Exercise 6	0	0	0	0	0	0	0									
▼ 13	Exercise 1	1	1	0	4	4	0	0									
<table border="1"> <thead> <tr> <th>Choices</th> <th>Frequency</th> <th>Chart</th> </tr> </thead> <tbody> <tr> <td>1) True</td> <td>4</td> <td></td> </tr> <tr> <td>2) False</td> <td>0</td> <td></td> </tr> </tbody> </table>		Choices	Frequency	Chart	1) True	4		2) False	0								
Choices	Frequency	Chart															
1) True	4																
2) False	0																
▼ 14	Exercise 2	1	1	0	2	2	0	0									
<table border="1"> <thead> <tr> <th>Choices</th> <th>Frequency</th> <th>Chart</th> </tr> </thead> <tbody> <tr> <td>1) True</td> <td>0</td> <td></td> </tr> <tr> <td>2) False</td> <td>2</td> <td></td> </tr> </tbody> </table>		Choices	Frequency	Chart	1) True	0		2) False	2								
Choices	Frequency	Chart															
1) True	0																
2) False	2																
▼ 15	Exercise 3	0.5	0.5	-0.5	2	1	0	1									
<table border="1"> <thead> <tr> <th>Choices</th> <th>Frequency</th> <th>Chart</th> </tr> </thead> <tbody> <tr> <td>1) True</td> <td>1</td> <td></td> </tr> <tr> <td>2) False</td> <td>1</td> <td></td> </tr> </tbody> </table>		Choices	Frequency	Chart	1) True	1		2) False	1								
Choices	Frequency	Chart															
1) True	1																
2) False	1																
▼ 16	Exercise 4	1	1	1	1	1	0	0									
<table border="1"> <thead> <tr> <th>Choices</th> <th>Frequency</th> <th>Chart</th> </tr> </thead> <tbody> <tr> <td>1) True</td> <td>1</td> <td></td> </tr> <tr> <td>2) False</td> <td>0</td> <td></td> </tr> </tbody> </table>		Choices	Frequency	Chart	1) True	1		2) False	0								
Choices	Frequency	Chart															
1) True	1																
2) False	0																
▼ 17	Exercise 5	0	0	0	2	0	0	2									
<table border="1"> <thead> <tr> <th>Choices</th> <th>Frequency</th> <th>Chart</th> </tr> </thead> <tbody> <tr> <td>1) True</td> <td>1</td> <td></td> </tr> <tr> <td>2) False</td> <td>0</td> <td></td> </tr> </tbody> </table>		Choices	Frequency	Chart	1) True	1		2) False	0								
Choices	Frequency	Chart															
1) True	1																
2) False	0																
18	Exercise 6	0	0	0	0	0	0	0									
▼ 19	Exercise 1	0	0	0	2	0	0	2									
<table border="1"> <thead> <tr> <th>Choices</th> <th>Frequency</th> <th>Chart</th> </tr> </thead> <tbody> <tr> <td>1) True</td> <td>0</td> <td></td> </tr> <tr> <td>2) False</td> <td>2</td> <td></td> </tr> </tbody> </table>		Choices	Frequency	Chart	1) True	0		2) False	2								
Choices	Frequency	Chart															
1) True	0																
2) False	2																
▼ 20	Exercise 2	0.4	0.4	-0.5	5	2	0	3									
<table border="1"> <thead> <tr> <th>Choices</th> <th>Frequency</th> <th>Chart</th> </tr> </thead> <tbody> <tr> <td>1) True</td> <td>3</td> <td></td> </tr> <tr> <td>2) False</td> <td>2</td> <td></td> </tr> </tbody> </table>		Choices	Frequency	Chart	1) True	3		2) False	2								
Choices	Frequency	Chart															
1) True	3																
2) False	2																
▼ 21	Exercise 3	0.5	0.5	-0.5	2	1	0	1									
<table border="1"> <thead> <tr> <th>Choices</th> <th>Frequency</th> <th>Chart</th> </tr> </thead> </table>		Choices	Frequency	Chart													
Choices	Frequency	Chart															

1) True	1	<input type="text"/>					
2) False	1	<input type="text"/>					
▼ 22 Exercise 4	0.667	0.667	0.667	3	2	0	1
Choices	Frequency	Chart					
1) True	1	<input type="text"/>					
2) False	2	<input type="text"/>					
▼ 23 Exercise 5	1	1	0	3	3	0	0
Choices	Frequency	Chart					
1) True	3	<input type="text"/>					
2) False	0	<input type="text"/>					
▼ 24 Exercise 6	0	0	0	1	0	0	1
Choices	Frequency	Chart					
1) True	1	<input type="text"/>					
2) False	0	<input type="text"/>					
▼ 25 Exercise 1	0.5	0.5	0.75	6	3	0	3
Choices	Frequency	Chart					
1) True	3	<input type="text"/>					
2) False	3	<input type="text"/>					
▼ 26 Exercise 2	0	0	0	4	0	0	4
Choices	Frequency	Chart					
1) True	4	<input type="text"/>					
2) False	0	<input type="text"/>					
▼ 27 Exercise 3	0.5	0.5	-1	2	1	0	1
Choices	Frequency	Chart					
1) True	1	<input type="text"/>					
2) False	1	<input type="text"/>					
▼ 28 Exercise 4	0.5	0.5	1	2	1	0	1
Choices	Frequency	Chart					
1) True	1	<input type="text"/>					
2) False	1	<input type="text"/>					
▼ 29 Exercise 5	1	1	-1	1	1	0	0
Choices	Frequency	Chart					
1) True	1	<input type="text"/>					
2) False	0	<input type="text"/>					
▼ 30 Exercise 6	0.5	0.5	0.5	2	1	0	1
Choices	Frequency	Chart					
1) True	1	<input type="text"/>					
2) False	1	<input type="text"/>					
▼ 31 Exercise 1	0.5	0.5	1	2	1	0	1
Choices	Frequency	Chart					
1) True	1	<input type="text"/>					
2) False	1	<input type="text"/>					
▼ 32 Exercise 2	0	0	0	2	0	0	2
Choices	Frequency	Chart					
1) True	2	<input type="text"/>					
2) False	0	<input type="text"/>					
▼ 33 Exercise 3	0.333	0.333	0.5	3	1	0	2
Choices	Frequency	Chart					
1) True	2	<input type="text"/>					
2) False	1	<input type="text"/>					
▼ 34 Exercise 4	0.4	0.4	0.167	5	2	0	3
Choices	Frequency	Chart					
1) True	2	<input type="text"/>					
2) False	3	<input type="text"/>					
▼ 35 Exercise 1	0	0	0	1	0	0	1
Choices	Frequency	Chart					

	1) True	0						
	2) False	1						
	▼ 36 Exercise 2	0.5	0.5	0.5	2	1	0	1
	Choices	Frequency	Chart					
	1) True	1						
	2) False	1						
	▼ 37 Exercise 3	0.6	0.6	-0.5	5	3	0	2
	Choices	Frequency	Chart					
	1) True	3						
	2) False	2						
	▼ 38 Exercise 4	1	1	0	3	3	0	0
	Choices	Frequency	Chart					
	1) True	0						
	2) False	3						
	▼ 39 Exercise 5	0	0	0	1	0	0	1
	Choices	Frequency	Chart					
	1) True	0						
	2) False	1						
	40 Exercise 6	0	0	0	0	0	0	0
(15)	1 inhomogen. Sect. 1. Qu. 1	0.646	0.583	0.311	24	14	3	7
	2 inhomogen. Sect. 2. Qu. 1	0.53	0.455	0.452	33	15	5	13
	3 inhomogen. Sect. 3. Qu. 1	0.618	0.441	0.341	34	15	12	7

[Grade](#)[Refresh](#)[Close](#)**Question Bank:** eqn1**Description:** Sect. 1, Qu. 1**Jump To:** [Question](#) | [Information Fields](#)

Question:

Der er givet en ligning

$$\frac{z-1+5i}{z-1-5i} = \frac{1}{z^2-2z+26}$$

Find alle komplekse løsninger til denne ligning. Angiv svaret som tal adskilt af kommaer. Eksempler: Hvis løsningerne er $-i$, $1-i$ og $2+2i$, angives svaret som

$-i, 1-i, 2+2*i$

Tilsvarende, hvis løsningerne er -7 og $1+6i$, angives som svar

$-7, 1+6*i$

Bemærk, at tallene skal angives under brug af Maple syntax.

This question accepts formulas in Maple syntax.

Plot | [Help](#) | [Preview](#)

Information Fields:

No fields set

[Grade](#)[Refresh](#)[Close](#)

Question Bank: teori-poly

Description: Spørgsmål 2

Jump To: [Question](#) | [Information Fields](#)

Question:

Betragt et komplekst polynomium $p(z)$ af grad 10. Marker samtlige korrekte udsagn nedenfor.

- $p(z)$ har mindst to forskellige rødder
- $p(z)$ har præcis 10 forskellige komplekse rødder
- $p(z)$ har mindst én reel rod
- $p(z)$ har præcis 10 komplekse rødder regnet med multiplicitet

[Partial Grading Explained](#)

Information Fields:

No fields set





Grade

Close

Question Bank: localext

Description: Sect. 1, Qu. 3

Jump To: [Question](#) | [Information Fields](#)

Question:

Lad R være et område i planen \mathbf{R}^2 med en randkurve C , som er en simpel lukket kurve. Antag at funktionen $f(x, y)$ er defineret og kontinuert på R , og har partielle afledede i alle de indre punkter i R .

Antag at f har to forskellige kritiske punkter (a_1, b_1) og (a_2, b_2) i det indre af R .

Antag, at $c_1 = f(a_1, b_1)$ er en lokal maksimumsværdi for f og at $c_2 = f(a_2, b_2)$ er en lokal minimumsværdi for f . Markér det korrekte udsagn nedenfor.

- Der gælder altid, at $c_1 \leq c_2$.
- Der gælder altid, at $c_1 > c_2$.
- Hvis c_1 også er den globale maksimumsværdi for f på R , så gælder der altid, at $c_1 > c_2$.
- Hvis c_1 også er den globale maksimumsværdi for f på R , så gælder der altid, at $c_1 \geq c_2$.

Information Fields:

No fields set



Baseret på den faktisk MR-1 prøveksamens-statistik foreslår jeg følgende "indsatsområder":

Maple TA opgaver:

- Teori, polynomier
- Komplex ligning 2
- Komplekse tal, sandt falsk opgaver
- Prøvesæt 2

OBS: glem ikke "optimering", det kan sagtens dukke op på eksamenssættet.