

period 4 to finish LCQ

Hard copies of projects get turned in to Green Polder

(and should include everything asked) for 9n P4

Do the Warm UP Question



Consider the frequency distribution of heights of elementary school stud below:

height h (cm)	frequency
130 ≤ <i>h</i> < 135	2
135 ≤ <i>h</i> < 140	3
140 ≤ <i>h</i> < 145	5
145 ≤ <i>h</i> < 150	7
150 ≤ <i>h</i> < 155	6
155 ≤ <i>h</i> < 160	2

- a. Determine the midpoint of the $130 \le h < 135$ interval.
- b. Calculate the approximate mean height of the students.
- c. Determine the modal class interval.

1	2
1	1
	1)

Consider the frequency distribution of heights of elementary school stud

LI
137.5
1375
142.5
147.5
157-5

	12
height h (cm)	frequency
$130 \le h < 135$	2
$135 \le h < 140$	3
140 ≤ <i>h</i> < 145	5
$145 \le h < 150$	7
150 ≤ <i>h</i> < 155	6
155 ≤ <i>h</i> < 160	2

- a. Determine the midpoint of the 130 $\leq h <$ 135 interval. \circlearrowleft \circlearrowleft
- b. Calculate the approximate mean height of the students. H = H C m
 - c. Determine the modal class interval.

Consider the frequency distribution of heights of elementary school students (cm) shown

×		£
midpoint	height h (cm)	frequency
132.5	130 ≤ <i>h</i> < 135	2
137.5	135 ≤ <i>h</i> < 140	3
142.5	140 ≤ <i>h</i> < 145	5
147.5	145 ≤ <i>h</i> < 150	7
152.5	150 ≤ <i>h</i> < 155	6
157.5	155 ≤ <i>h</i> < 160	2

 $\overline{X} = \frac{\sum f \cdot x}{n}$ $= \frac{\sum f \cdot x}{\sum f}$ $= \frac{3652.5}{25}$

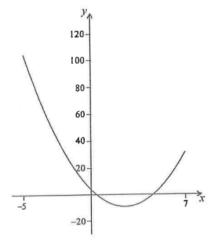
a. Determine the midpoint of the 130 $\leq h <$ 135 interval. 132.5

146. m

b. Calculate the approximate mean height of the students.

c. Determine the modal class interval. 145 150 because it occurs the most.

The graph of $y = 2x^2 - rx + q$ is shown for $-5 \le x \le 7$.



The graph cuts the y-axis at (0, 4).

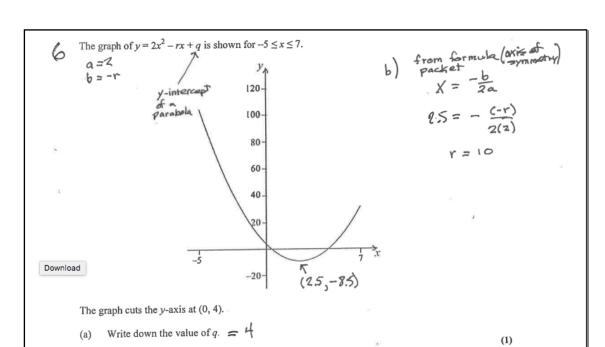
(a) Write down the value of q.

The axis of symmetry is x = 2.5.

- Find the value of r. (b)
- Write down the minimum value of y. (c)

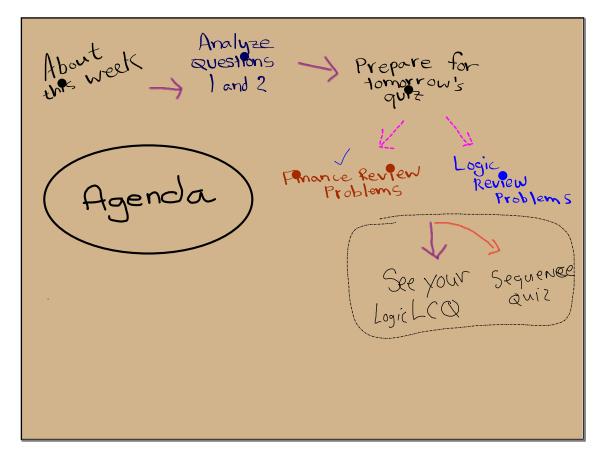
The axis of symmetry is x = 2.5.

Write down the range of y. (d)



Write down the minimum value of y = -8.5 $y = 2(2.5)^{2} - 10(2.5) + 4$ (2)





20	21	22	23	24
Draft #2 is due today Logic - Review Analyze questions 1 & 2 from Paper 2	Quiz on: Logic and Finance Turn in all Logic Assignments Assignment: Paper 2 – Question #3	MockExam Paper 2 Question #4	No School Thanksgiving	No Schoo
Analyze results from Paper #2 questions 3 & 4 Instructions for Paper 1 MockExam Paper 2 Questions #5 and #6	28 MockExam Paper 1 Paper 1 – Questions 1-9	MockExam Paper 1 Paper 1 – Questions 10-15	Last Day of Trimester -Analyze results of Paper 1Review Session Info -Project Feedback	No Schoo

Projects

Dota file ... Your name is helpful :

Paste

Excel

A T

Paper 2

#1 and #2

Analyze your
results

G3

For the quiz tomorrow:

You can use the Formula Packet which has the basic truth tables listed and the Compound Interest Formula.

You will need to memorize the symbols and definitions of converse, inverse, and contrapositive.

\wedge \vee \perp \rightarrow \longleftrightarrow

Know how to prove a tautology or a logical contradiction.

Know how to prove two logical statements are logically equivalent

HW Packet

Yesterday's Finance Review is the last item

140

due no later than start of class tomortow.

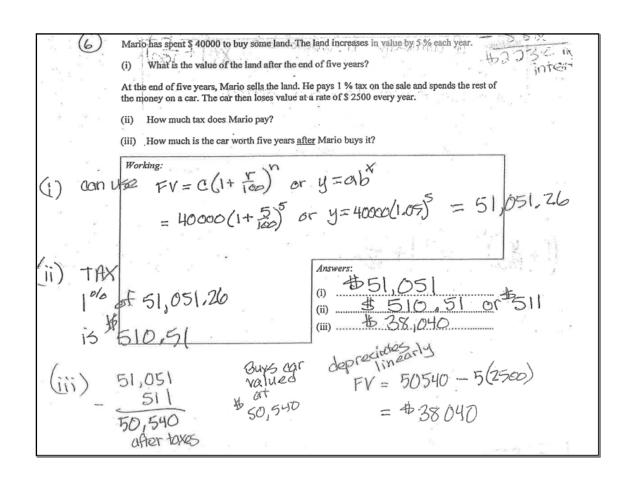
Available = Logic Practice with Answers

Finance Practice with answers

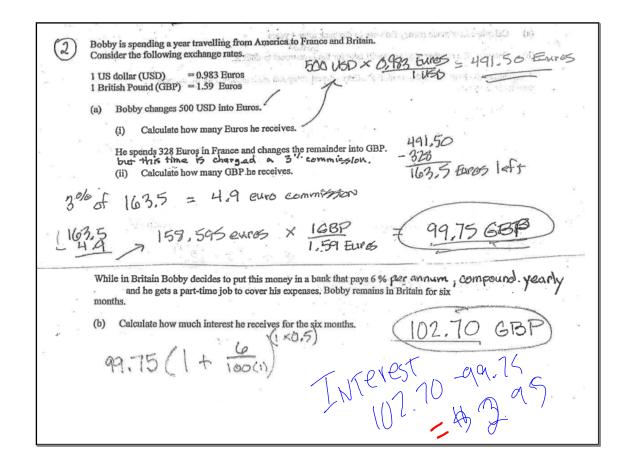
* Work on Practice

A See your LCQ

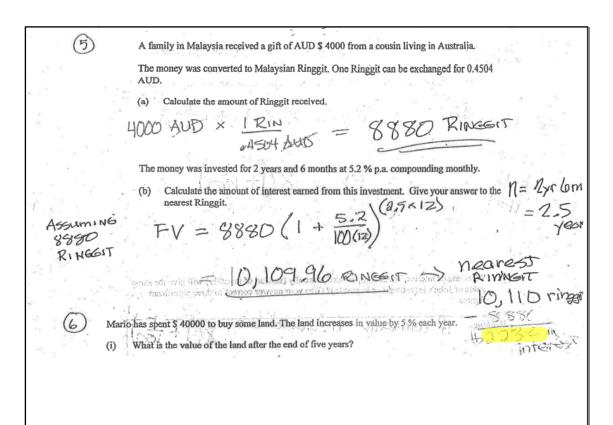
a	b	с	b <u>v</u> c	a	b <u>v</u> c ⇔ a
Т	Т	Т	F	Т	F
Т	Т	F	Т	Т	Т
Т	F	Т	Т	Т	Т
Т	F	F	F	Т	F
F	Т	T	F	F	Т
F	Т	F	Т	F	F
F	F	Т	Т	F	F
F	F	F	F	F	Т



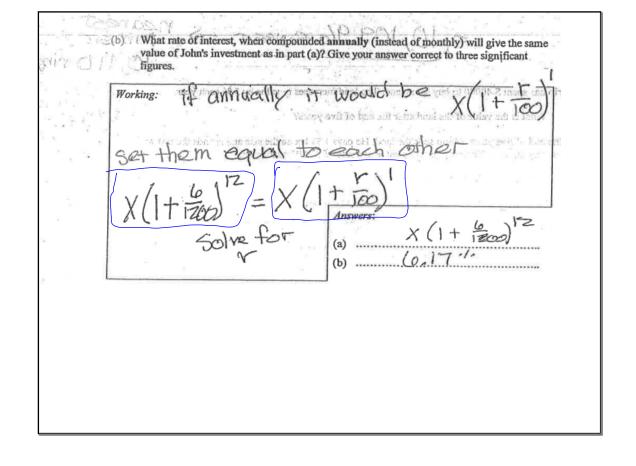
FINANCE FRACTICA Name
You can use your TI-App to check anxwers, but you are expected
You can use your TI-App to check answers, but you are expected to show work-
(1) Takaya invested 1000 JPY at 6.3% 6.20% interest for 15 years. Morimi invested 900 JPY at
.6.3% interest compounded ouecand for 15 years. Who had more money at the end of the 15th
year? Justify your answer clearly. (12x15) / monimi
TAKOYA FY = 1000 (1+ 6.3)
FV = 900 (1 + (100)(4))
= 2566,46 JRY
= 6700,100
= 2298,54 751
Manufacture and a second secon
South Takeya had not mer to the fact of the second of the second doll (1)
Serve time. At bear order on the ballon



Bob invests 600 EUR in a bank that offers a rate of 2.75 & compounded annually. The integrated annually added on at the end of each year.	erest is
(a) Calculate how much money Bob has in the bank after 4 years. (b) Calculate the number of years it will take for the investment to double.	agh consider (b)
Ann invests 600 EUR in another bank that offers interest compounded annually. Her invest doubles in 20 years.	ment
(c) Find the rate that the bank is offering.	
(c) Find the rate that the bank is offering. (4.1) $a) FV = 600 \left(1. + \frac{2.75}{100(1)}\right) = 668$,77 EUR
	275 (0.1)
b) IF DOUBLED, initial investment 1200 = 600 (1+ would be 1200 EVR	100(1)
2 = (1 + 2.75)	
Using logs or graphing	and a special section of the section
n & 25.6 years	
(2) $1200 = 600 \left(1 + \frac{r}{100.1}\right)$	20/2-1
c) 1200 = 600 (1+100.1)	7
2 = (1 + 50) / r=	3,5



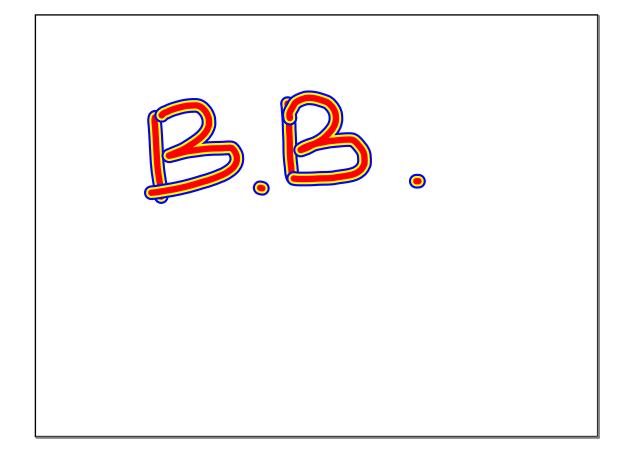
(A) The contract of the contra
John invests X USD in a bank. The bank's stated rate of interest is 6% per annum, compounded monthly
* * * * * * * * * * * * * * * * * * *
(a) Write down, in terms of X, an expression for the value of John's investment after one year. (1×12)
FV = C(1+100x) FV = X (1 + 100.12)
v = 6
eldinori gribnivarità "a.g. 20 ".c. na eldinomi di bah gr / g. S. a.c.) i 60 combrat catali
(a) The Manual Contract of the Manual Town of the Manual Town of the Voltage of the Manual Contract of the Manual
nearest Kingali.
52 4 1 T 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(ED) (D) 7.7.7.2.0 Q N. 1. 22.5.8
AND THE PROPERTY OF THE PROPER



$$\left(1 + \frac{6}{1200}\right)^{12} = 1 + \frac{7}{100}$$

$$\left(1 + \frac{6}{1200}\right)^{2} - 1 = \frac{r}{100}$$

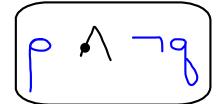
$$r \approx 6.17$$



P: IHS student

g · IB student

r. non IHS Student



$\neg (a \lor c) \Rightarrow b \land c$			

a	b	c	avc	$\neg(a \lor c)$	$b \wedge c$	$\neg(a \lor c) \Rightarrow b \land c$
Т	Т	Т				
Т	Т	F				
Т	F	Т				
Т	F	F				
F	Т	Т				
F	Т	F				
F	F	Т				
F	F	F				

a	b	c	avc	$\neg(a \lor c)$	<i>b</i> ∧ <i>c</i>	$\neg (a \lor c) \Rightarrow b \land c$
Т	Т	Т	Т	F	Т	Т
Т	Т	F	Т	F	F	Т
Т	F	Т	Т	F	F	Т
Т	F	F	Т	F	F	Т
F	Т	Т	Т	F	Т	Т
F	Т	F	F	Т	F	F
F	F	Т	Т	F	F	Т
F	F	F	F	Т	F	F

а	b	С	b <u>v</u> c	а	$b\underline{\lor}c \Leftrightarrow a$
Т	Т	Т			
Т	Т	F			
Т	F	Т			
Т	F	F			
F	Т	T			
F	Т	F			
F	F	Т			
F	F	F			

f			