ADVANCED SPREADSHEET APPLICATIONS
(235)

REGIONAL – 2017

Job: Family Budget _____ (375 points)

TOTAL POINTS _____ ***(375 points)***

Judge/Graders: Please double check and verify all scores and answer keys!

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	Points Possible	Score
Typos (0 errors 100 points, 1 error 90 points, 2 errors 70 points, 3 errors 50 points, 4 or more errors 0 points)	100	
Row 1 title Times New Roman, 24 pt. Bold.; Row 2 title Times New Roman 14 pt. Bold;	10	
Worksheet named Martin Budget	5	
Row 23 – Months are displayed at -45° with gray fill and borders	15	
Rows 3, 7, 20, 26 & 37 have double border on the bottom border (3 pts each)	15	
Cell References used in Rows 24 & 25	10	
Sum Function used on Rows 7, 20, 26 & 37	20	
Average Function Used in Cells B10:B19	20	
Net Cash Flow Formula entered correctly	25	
Running Total Formula contains Absolute Cell Reference	15	
Line Sparkline Graphs showing in Column C next to their expenses	10	
High Point showing on Sparkline graph	10	
Cell E6 is a cell reference	5	
Row 39 shows correct values after using Goal Seek (2 pts a cell)	24	
Rows 7, 20, 26, 37, 38, 39 & 41 showing as Accounting format with 0 decimal places (2 pts per row)	14	
Raise Amount is correct value	10	
Line Chart printed as a full page	10	
Correct title and font size on Line Chart	10	
Axis Label does not cover Chart information	5	
Line Chart Size 4 used	6	
Maximum axis value of 20000 and Minimum axis value of -5000 used	6	
Y axis values on Line Chart in Accounting format with negative numbers showing in parentheses	10	
All printouts completed as instructed with contestant number on right side of footer and file name and tab name listed in the header (all or nothing)	15	
All printouts submitted in correct order as instructed	5	
TOTAL	**375**	

Martin Family Budget

Monthly Income Statement

Income		
Noah's Salary	$	3,799
Ava's Salary		3,294
Total	**$**	**7,093**

Savings	
Initial	$ 3,006
Final	$ 17,500

Salary	
Initial:	$ 2,570
Raise Amt	$ 1,229

Expenses		
Rent	$	925
Food	$	870
Utilities	$	189
Phone	$	120
Car Payments	$	440
Insurance	$	460
Tuition	$	1,791
Books & Supplies	$	462
Travel	$	421
Miscellaneous	$	208
Total	**$**	**5,885**

ADVANCED SPREADSHEET APPLICATIONS - REGIONAL 2017
ANSWER KEY

Income & Expenses		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Income	Noah	3,799	3,799	3,799	3,799	3,799	3,799	3,799	3,799	3,799	3,799	3,799	3,799
	Ava	3,294	3,294	3,294	3,294	3,294	3,294	3,294	3,294	3,294	3,294	3,294	3,294
	Total	$ 7,093	$ 7,093	$ 7,093	$ 7,093	$ 7,093	$ 7,093	$ 7,093	$ 7,093	$ 7,093	$ 7,093	$ 7,093	$ 7,093
Expenses	Rent	900	900	900	900	900	900	900	900	975	975	975	975
	Food	875	730	795	825	855	815	885	920	942	875	975	945
	Utilities	165	173	200	195	250	210	200	250	160	160	145	155
	Phone	120	120	120	120	120	120	120	120	120	120	120	120
	Car Payments	440	440	440	440	440	440	440	440	440	440	440	440
	Insurance	375	375	375	425	425	425	520	520	520	520	520	520
	Tuition	8,923	0	0	0	0	2,419	0	8,923	0	0	0	1,230
	Books & Supplies	2,115	0	0	0	0	975	0	2,450	0	0	0	0
	Travel	320	150	210	720	175	350	1,200	625	185	215	420	480
	Miscellaneous	200	250	120	150	250	120	150	175	210	250	270	350
	Total	$ 14,433	$ 3,138	$ 3,160	$ 3,775	$ 3,415	$ 6,774	$ 4,415	$ 15,323	$ 3,552	$ 3,555	$ 3,865	$ 5,215
	Net Cash Flow	$ (7,340)	$ 3,955	$ 3,933	$ 3,318	$ 3,678	$ 319	$ 2,678	$ (8,230)	$ 3,541	$ 3,538	$ 3,228	$ 1,878
	Running Total	$ (7,340)	$ (3,385)	$ 547	$ 3,865	$ 7,543	$ 7,862	$ 10,540	$ 2,310	$ 5,850	$ 9,388	$ 12,616	$ 14,494
	Savings	$ (4,334)	$ (379)	$ 3,553	$ 6,871	$ 10,549	$ 10,868	$ 13,546	$ 5,316	$ 8,856	$ 12,394	$ 15,622	$ 17,500

Martin's Savings
$20,000
$15,000
$10,000
$5,000
$0
($5,000)
AMOUNT IN SAVINGS
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
$(4,834)
$(379)
$3,553
$6,871
$10,549
$10,868
$13,546
$5,816
$8,856
$12,394
$15,622
Savings
$17,500

Martin Family Bud

Monthly Income Statement

Income			**Savings**			**Salary**	
Noah's Salary	3798.83333333333		Initial	3006		Initial:	2570
Ava's Salary	3294		Final	=N41		Raise Amt	=B5-H5
Total	**=SUM(B5:B6)**						
Expenses							
Rent	=AVERAGE(C27:N27)						
Food	=AVERAGE(C28:N28)						
Utilities	=AVERAGE(C29:N29)						
Phone	=AVERAGE(C30:N30)						
Car Payments	=AVERAGE(C31:N31)						
Insurance	=AVERAGE(C32:N32)						
Tuition	=AVERAGE(C33:N33)						
Books & Supplies	=AVERAGE(C34:N34)						
Travel	=AVERAGE(C35:N35)						
Miscellaneous	=AVERAGE(C36:N36)						
Total	**=SUM(B10:B19)**						

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ANSWER KEY

Income & Expenses		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Income	Noah	=$B$5	=$B$5	=$B$5	=$B$5	=$B$5	=$B$5	=$B$5	=$B$5	=$B$5	=$B$5	=$B$5	=$B$5
	Ava	=$B$6	=$B$6	=$B$6	=$B$6	=$B$6	=$B$6	=$B$6	=$B$6	=$B$6	=$B$6	=$B$6	=$B$6
	Total	=SUM(C24:C25)	=SUM(D24:D25)	=SUM(E24:E25)	=SUM(F24:F25)	=SUM(G24:G25)	=SUM(H24:H25)	=SUM(I24:I25)	=SUM(J24:J25)	=SUM(K24:K25)	=SUM(L24:L25)	=SUM(M24:M25)	=SUM(N24:N25)
Expenses	Rent	900	900	900	900	900	900	900	900	975	975	975	975
	Food	875	730	795	825	855	815	885	920	942	875	975	945
	Utilities	165	173	200	195	250	210	200	250	160	160	145	155
	Phone	120	120	120	120	120	120	120	120	120	120	120	120
	Car Payments	440	440	440	440	440	440	440	440	440	440	440	440
	Insurance	375	375	375	425	425	425	520	520	520	520	520	520
	Tuition	8923	0	0	0	0	2419	0	8923	0	0	0	1230
	Books & Supplies	2115	0	0	0	0	975	0	2450	0	0	0	0
	Travel	320	150	210	720	175	350	1200	625	185	215	420	480
	Miscellaneous	200	250	120	150	250	120	150	175	210	250	270	350
	Total	=SUM(C27:C36)	=SUM(D27:D36)	=SUM(E27:E36)	=SUM(F27:F36)	=SUM(G27:G36)	=SUM(H27:H36)	=SUM(I27:I36)	=SUM(J27:J36)	=SUM(K27:K36)	=SUM(L27:L36)	=SUM(M27:M36)	=SUM(N27:N36)
	Net Cash Flow	=C26-C37	=D26-D37	=E26-E37	=F26-F37	=G26-G37	=H26-H37	=I26-I37	=J26-J37	=K26-K37	=L26-L37	=M26-M37	=N26-N37
	Running Total	=SUM($C$38:C38)	=SUM($C$38:D38)	=SUM($C$38:E38)	=SUM($C$38:F38)	=SUM($C$38:G38)	=SUM($C$38:H38)	=SUM($C$38:I38)	=SUM($C$38:J38)	=SUM($C$38:K38)	=SUM($C$38:L38)	=SUM($C$38:M38)	=SUM($C$38:N38)
	Savings	=$E$5+C39	=$E$5+D39	=$E$5+E39	=$E$5+F39	=$E$5+G39	=$E$5+H39	=$E$5+I39	=$E$5+J39	=$E$5+K39	=$E$5+L39	=$E$5+M39	=$E$5+N39