Password Card

To solve this cipher, match the columns of letters with the rows of numbers, this will give you the characters for each of the encrypted characters above.

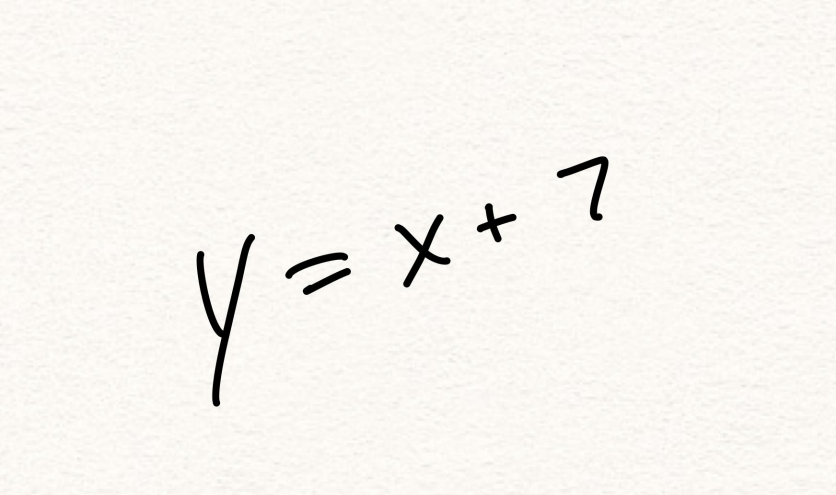
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	&	Y	R	k	d	h	:	>	(	4	c	-	w	1	8	z	)	a	<	{	v	,	1	q	<	9
2	p	r	4	J	e	R	)	N	[	X	[	<	B	8	_	F	'	k	r	B	B	t	Y	T	c	&
3	W	y	R	[	_	\	$	m	c	_	k	"	V	1	&	J	\	U	P	3	h	1	@	:	b	i
4	D	H	)	8	n	F	c	'	o	n	'	`	J	>	n	)	S	i	U	=	o	[	9	&	l	L
5	H	$	'	D	"	>	b	j	k	~	N	/	6	_	:	o	v	.	Q	r	u	\	^	|	-	F
6	^	p	&	K	O	O	"	}	u	Y	%	D	^	t	"	j	[	}	L	@	J	e	3	W	R	j
7	+	"	2	o	w	v	n	>	t	S	e	8	G	Z	n	d	2	'	=	s	/	r	w	t	%	j
8	I	F	+	W	@	G	F	:	W	%	I	d	1	B	-	/	"	V	{	9	Q	5	2	%	o	4
9	n	_	#	R	Z	;	,	:	1	?	i	?	1	a	1	p	f	@	"	@	j	D	t	1	s	g
0	A	D	~	8	e	:	*	s	S	R	.	w	'	8	(	U	n	O	1	G	e	R	:	#	b	z
1	{	{	_	#	8	z	1	?	8	"	K	&	}	{	X	T	v	b	x	M	]	#	P	s	v	K
2	>	&	n	L	n	:	X	$	r	m	;	I	R	X	m	N	;	6	z	(	{	7	=	d	m	4

For example, column S, row 6 gives us character L, once you do this for each pair of characters and numbers you should get the deciphered text!

Output:
K8 Y5 S6 R0 R8 T3 Y5 D8 C2 N6 Y2 F1 K7 V8 = I-LOV3-W4tche5

Random Equation

This one was a bit more tricky, we were given an equation and a big list of numbers:



70 114 25 70 90 103 98 95 94 108 109 104 51 25 66 25 92 90 103 103 104 109 25 91 94 101 98 94 111 94 25 109 97 98 108 37 25 66 25 58 70 25 76 72 25 58 71 64 75 82 25 58 77 25 77 65 62 25 80 72 75 69 61 39 25 70 114 25 96 104 90 101 25 98 103 25 101 98 95 94 25 112 90 108 25 109 104 25 91 94 25 108 110 92 92 94 108 108 95 110 101 25 90 103 93 25 102 90 100 94 25 102 104 103 94 114 37 25 91 110 109 25 112 98 109 97 25 90 101 101 25 109 97 94 25 98 108 108 110 94 108 25 92 104 102 98 103 96 25 90 109 25 102 94 25 95 107 104 102 25 90 101 101 25 93 98 107 94 92 109 98 104 103 108 37 66 25 99 110 108 109 25 92 90 103 32 109 25 109 90 100 94 25 98 109 25 90 103 114 102 104 107 94 39 25 66 25 103 94 94 93 25 109 104 25 92 97 90 103 96 94 25 102 114 25 101 98 95 94 25 95 104 107 25 109 97 94 25 91 94 109 109 94 107 39 25 72 103 25 77 110 94 108 93 90 114 37 25 66 25 105 101 90 103 25 104 103 25 107 104 91 91 98 103 96 25 109 97 94 25 78 60 79 110 101 103 94 107 111 98 101 101 94 25 91 90 103 100 39 25 66 25 100 103 104 112 25 95 104 107 25 90 25 95 90 92 109 25 109 97 94 114 25 97 90 111 94 25 94 113 105 94 103 108 98 111 94 25 99 94 112 94 101 107 114 25 108 109 104 107 94 93 25 98 103 25 109 97 94 107 94 37 25 66 25 112 98 101 101 25 91 94 25 101 98 111 98 103 96 25 91 94 109 109 94 107 25 109 97 90 103 25 94 111 94 107 26 25 65 104 105 94 95 110 101 101 114 25 90 101 101 25 96 104 94 108 25 109 104 25 105 101 90 103 25 90 103 93 25 66

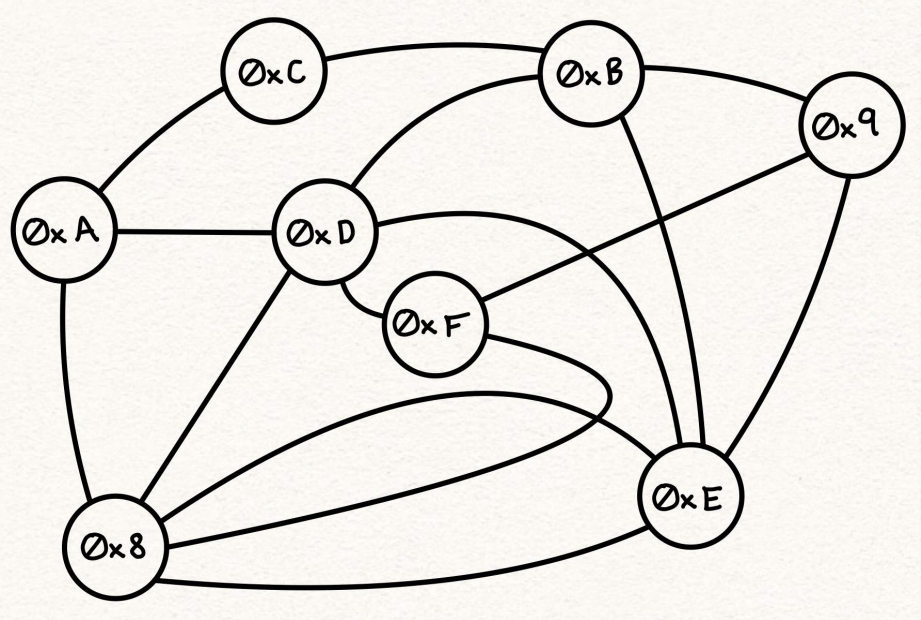
To solve this, input each number given into the equation and turn the output into a character using a programming language of your choice. For simplicity's sake, I used python:

```
cipher = """70 114 25 70 90 103 98 95 94 108 109 104 51 25 66 25 92 90 103 103 104 109 25 91 94 101 98 94
111 94 25 109 97 98 108 37 25 66 25 58 70 25 76 72 25 58 71 64 75 82 25 58 77 25 77 65 62 25
80 72 75 69 61 39 25 70 114 25 96 104 90 101 25 98 103 25 101 98 95 94 25 112 90 108 25 109 104
25 91 94 25 108 110 92 92 94 108 108 95 110 101 25 90 103 93 25 102 90 100 94 25 102 104 103 94
114 37 25 91 110 109 25 112 98 109 97 25 90 101 101 25 109 97 94 25 98 108 108 110 94 108 25 92
104 102 98 103 96 25 90 109 25 102 94 25 95 107 104 102 25 90 101 101 25 93 98 107 94 92 109 98
104 103 108 37 66 25 99 110 108 109 25 92 90 103 32 109 25 109 90 100 94 25 98 109 25 90 103 114
102 104 107 94 39 25 66 25 103 94 94 93 25 109 104 25 92 97 90 103 96 94 25 102 114 25 101 98 95
94 25 95 104 107 25 109 97 94 25 91 94 109 109 94 107 39 25 72 103 25 77 110 94 108 93 90 114 37
25 66 25 105 101 90 103 25 104 103 25 107 104 91 91 98 103 96 25 109 97 94 25 78 60 79 110 101 103
94 107 111 98 101 101 94 25 91 90 103 100 39 25 66 25 100 103 104 112 25 95 104 107 25 90 25 95 90
92 109 25 109 97 94 114 25 97 90 111 94 25 94 113 105 94 103 108 98 111 94 25 99 94 112 94 101 107
114 25 108 109 104 107 94 93 25 98 103 25 109 97 94 107 94 37 25 66 25 112 98 101 101 25 91 94 25
101 98 111 98 103 96 25 91 94 109 109 94 107 25 109 97 90 103 25 94 111 94 107 26 25 65 104 105 94
95 110 101 101 114 25 90 101 101 25 96 104 94 108 25 109 104 25 105 101 90 103 25 90 103 93 25 66
25 92 90 103 25 96 94 109 25 90 112 90 114 25 112 98 109 97 25 109 97 98 108 39"""

# We have a multiline string, we need to turn string into an integer and get rid of whitespace and newlines
#         - split() - will split the string into a list using whitespace as the separator = ["70", "114", "25", ...]
#         - replace("\n", "") - will get rid of newlines in the string
#         - map(int, ...) - will turn each string in the given list into an integer
#         - list(...) - will form a list out of the map object
c_list = list(map(int, cipher.replace("\n", "").split()))

# Initialize new string to store our deciphered characters
new = ""

# Run through each number in our list, convert it into a character, and add it to our string
for num in c_list:
          # This is where we use the equation to add 7 to our number
          #         - chr() - will take in an ascii number and return a character
          #                   - Ex: chr(65) = 'a'
          new += chr(num + 7)

# Finally print all the characters in the new string
print(new)
```

Output:
My Manifesto: I cannot believe this, I AM SO ANGRY AT THE WORLD. My goal in life was to be successful and make money, but with all the issues coming at me from all directions, I just can't take it anymore. I need to change my life for the better. On Tuesday, I plan on robbing the UCVulnerville bank. I know for a fact they have expensive jewelry stored in there, I will be living better than ever! Hopefully all goes to plan and I can get away with this.

Hexadecimal Graph

For this puzzle we are given a sequence of binary numbers and an unordered graph with vertices labeled with hexadecimal values.



To solve this cipher, convert the given binary numbers into hexadecimal and draw or follow the sequence of the hexadecimals. If you look at the outline more closely, you can see that there is an S formed which implies the signature is from Scott Stanley!

1011 -> 1101 -> 1111 -> 1000
0xB -> 0xD -> 0xF -> 0x8 = Creates a S figure on the graph