LINEAR RELATIONSHIPS SUDOKU

	R	S	T	U	V	W	X	Y	Z
A									
B									
C									
D									
E									
F									
G									
H									
I									

AT: slope of the line through $(300,412)$ and $(420,652)$

AV: y-intercept of $7x - 3y = -24$

AY: x-intercept of $\dfrac{x}{4} - \dfrac{y}{11} = 1$

AZ: the next value of the linear equation in the table below:

x	y
-2	-6
0	-2
2	2
4	

BS: slope of $\dfrac{x}{-2} + \dfrac{y}{8} = 1$

BW: If a line has a slope of 3 and contains the points $(3,1)$ and $(5,y)$, then what is the value of y?

CT: slope of the line through $\left(-\dfrac{2}{5}, \dfrac{1}{4}\right)$ and $\left(\dfrac{7}{10}, \dfrac{71}{20}\right)$

CW: y-intercept of $y = 5$

CZ: slope of $y = 8(x+1)$

DU: Which equation below is a linear relationship?

#1: $y = \dfrac{1}{2x} + 3$ #2: $y = 5 - 2x + 3x^2$

#3: $y + 4 = \dfrac{2}{5}(x - 1)$ #4: $xy = 1$

DW: slope of the line parallel to $y = 6x - 8$

DX: slope of the line perpendicular to $y = -\dfrac{1}{2}x$

ER: the x-value on the line $y = 2x - 4$ when $y = 10$

EV: 2 (free space)

EZ: slope of the line parallel to $y = x$

FT: slope of the line perpendicular to a line with slope of $-\dfrac{1}{5}$

FU: maximum number of y-intercepts that a line can have

FW: x-intercept of $3x - 3y = 24$

GR: Which table below is a linear relationship?

#1:

x	1	2	5
y	10	4	-2

#2:

x	0	1	2
y	-1	1.5	4

GU: the y-value on the line $y = 2x - 4$ when $x = 6$

GX: the number of quadrants in the Cartesian (rectangular) coordinate system

HU: slope of the line through $(0,0)$ and $(7,49)$

HY: slope of the line through $(-9,-81)$ and $(0,0)$

IR: y-intercept of $y + 6 = 5(x + 2)$

IS: y-intercept of the line with slope of 2 and through the point $(14,3)$

IV: x-intercept of $y = 2x - 12$

IX: slope of the line perpendicular to $x + y = 8$

	R	S	T	U	V	W	X	Y	Z
A	5	7	2	9	8	1	3	4	6
B	8	4	1	6	3	7	5	2	9
C	9	6	3	2	4	5	7	1	8
D	1	9	4	3	5	6	2	8	7
E	7	3	8	4	2	9	6	5	1
F	6	2	5	1	7	8	9	3	4
G	2	1	7	8	9	3	4	6	5
H	3	5	6	7	1	4	8	9	2
I	4	8	9	5	6	2	1	7	3

AT 2	DU 3	GR 2
AV 8	DW 6	GU 8
AY 4	DX 2	GX 4
AZ 6	ER 7	HU 7
BS 4	EV 2	HY 9
BW 7	EZ 1	IR 4
CT 3	FT 5	IS 8
CW 5	FU 1	IV 6
CZ 8	FW 8	IX 1