## Angeles City Science High School Mathematics 9

Name: Paul Gerald D. Pare Section: 9 - Adenine

- what's More	
1. Let;	
X = Abituge	Ynsupsi
x+3=Base	
V + 8 = 3 × + 8	
A = 1 bh	ELVIS
2 0 0 0 0 0 1 X - V 8	
36=(x+3)(x)	
2	(01) 3/3
(35= x2+3x) 2 0 x	(10) 7)
2 /	
$70 = x^2 + 3x$	OLA DEAD
2:15	
$x^2 + 3x - 70 = 0$	70700
(x+10)(x-7)=0	The same of the sa
x+10=0   x-1=0	0-26-08
7 x = -10   x = 17	21-4
11+0=10	
checking -	Paul
$P = \frac{1}{2}bh$	
(2)	37-12-54 = 60-
36=10(7)	15-45-64444
- 51	
35 = 70	le is 7m
2 The district	0=00+000
35 = 35	Cial Devilla
1	n=n-y 1 0 = 01
THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO I	

2 Let:
X = Shortest side
xt7= other side
$A^2 + B^2 = c^2$
$(x) + (x+1)^{n} = (13)^{2}$
x2+x2+14x+49=169
2x2+14x+49-169=0
2x2+14x-120=0
2
$x^2 + 7x - 60 = 0$
(x+12)(x-5)=0
X+12=0   X-5=0
x = -12 $x = 5$ -7 shortest side
C L D = [10]
5+7=12 -7 other side
Paralizat
Checking! $A^2 + B^2 = C^2$
$(5)^2 + (12)^2 = (13)^2$
25 + 144 = 169
160=169
The length of the shortes
side is sm.

```
3. Le+:
 x= number
 25 (x-1) = x2+6x+9
 25x - 25 = x^2 + 6x + 9
 x2+6x+9+25-25x=0
 x^2 - 19x + 34 = 0
 (x-17)(x-2)=0
 x = 17 = 0 | x = 2 = 0
x = 17 | x = 3
Checking:
5-17-1 = x+3 5-12-1 = 2+3
5 TIE = x17+3 5-TT =5.
 5(4)=20 5(1)=5
    20= 20 5=5
The number is either 17 or 2.
```

4. Lexi	checking:
x = wiath	A=LW
2x-1 = length	28 = (2(4)-1)(4)
	28 = (7)(4)
ATLW	28 28 = 28
28 = (2x-1)(x)	pay 14 x = (14 x ) x
28 = 2x2 - x	10 + x 3 + 5 x = 3 5 - 3 0 c
	TV.
$2x^2 - x - 28 = 0$	2+6x+9+26-26x+0
(2x-8)(2x+n)=0	x2 = 10x + 34 = 0
2x-8=0   x+7=0	(x-17)(x-2)=3
2x=8 2x=-7	0=5-×10-0-
1 2	15-21 10-X
1x=4   x=-7	
2	1,01100
width=4	- C- X
1ength = 2(4) -31	19-1-19-1-19-1-19-1-19-19-19-19-19-19-19
- 8-1	TE THE EXPLY TOTAL
=7	The dimensions of the
	photograph are 4no
	by 7m.

Let: checking: x= width x+4=length A-LW A = LW 45 = (5+4) (5) 45 = 9(5) 45= (x+4)(x) 45 = 45 45= X2+4X x2+4x-45 (x+a)(x-5)X+9=0 | X-8=0 x = -9 width = 5 The length is am length= 5+4 and the width is sm. = 9

Assessment	
1. Let: " (paras ous	
X= number	11/4
	31
(2 X X)=(N)2	
4x = 1910 (PTE) = 2P	
[x=49] The number is 49.	E
V V V V V V V V V V V V V V V V V V V	2
2 Let:	
x = 1st consecutiv	100
x +2= 2nd consecutive	(
1 - 8 - L	
1x+x+2 = 6-12	
$(\sqrt{2} \times + 2)^{2} = 6\sqrt{2}$ $(\sqrt{2} \times + 2)^{2} = (6\sqrt{2})^{2}$	
2x + 2 = 36(2)	10
2×12= 72	M. T
	4
2x = 72-2	
2× = 70	
Tx=35 -> 1st vonsecutive	
x+2= ny confecutive	
[35+2=37] -> 2nd communitie	1000
The larger integer in 37.	
111901 111901 10 37.	

