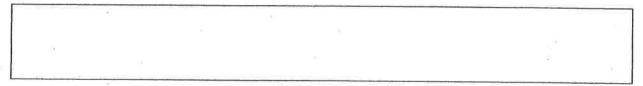
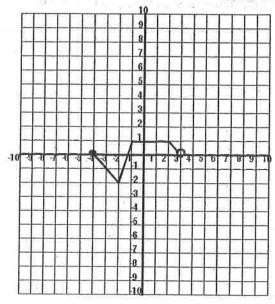
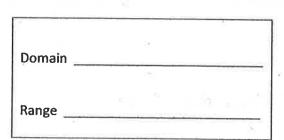
1. Give an example of a <u>function</u> and clearly state two different ways that you can determine whether a relation is a function.

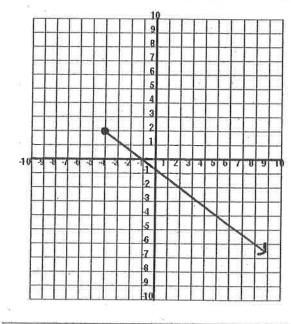


2. State the domain and range as an inequality.





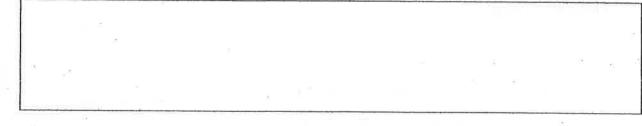
3. State the domain and range in interval notation.

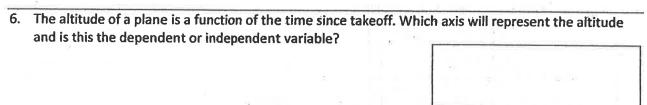


Domain		
Range		
-	×	

4. Wally's Wonder Windows charges a fixed rate of \$20 plus \$60 for every window installed. Write an equation in function notation that relates the cost (C) as a function of the windows (w) installed.

	When does a graph appear as a series of dots and when should it have a line through the points? Use the words discrete and continuous in your answer.
1144	



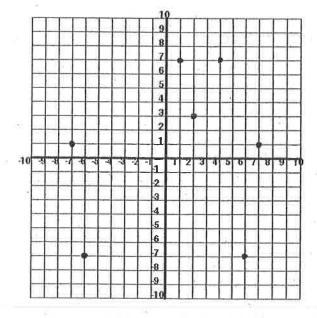


7. If C(n) = 81.5n - 700 find C(10).

$$C(10) =$$

8. If P(x) = 50 - 6x find x if P(x) = -31.

9. Use the graph to find f(7).

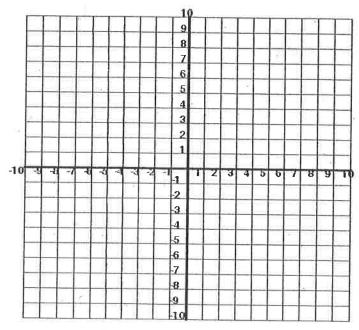


10. Use the above graph to find x when f(x) = -7.

1. Line AB has points A (6, -7) and B (1,4). Calculate the slope of AB. State the slope of a line perpendicular to AB.

Slope of AB is ______
Perpendicular to AB is _____

2. Graph the line through the point (2,4) with a slope of $-\frac{2}{3}$.



3. Describe how to graph a line with a slope of 4 and a y-intercept of -6.

4. Name 3 ordered pairs with integers that satisfy the equation 2x-6y+4=0.

,	rcepts of the equatior	1 3x - 0y = -10.	· ·	*
				,
			<u></u>	
Find to if the classes	4 k			
. Find k if the slopes	${5}$ and $\frac{-}{6}$ are par	allei.		20 20
e *1 s	all .			k =
		£1		¥2.
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74 				
	3 k		·	
. Find $oldsymbol{k}$ if the slopes	$\frac{2}{2}$ and $-\frac{11}{5}$ are per	pendicular.		
Σ ₁ 2 2		1 2 2		k =
		2		
3. State the slope and y	-intercent of $3y = 6x$	_1		
,				
			Slope is	
#			Y-interce	pt is
T and	R W	ķ.		
. State the slope and y	-intercept of $2x - 7y$:	<u> </u>		
os =				
		s	8	
			Slope is	
			Y-interce	pt is
T		4		
0. Find the slope of a ro	of that has a span of 1	.6 m and the height o	of the roof is	$\frac{1}{8}$ of the span.

fi fi	N **
*****EQUATIONS OF A LINE. Show work.	
1. Determine the equation of a line that has a y-intercept of -3.5	
and a slope of $\frac{5}{2}$ in slope-intercept form.	
4	
2. Determine the equation of a line with point (2,5) and a slope of	-3 in v-myth form
and a slope of	-5 in y-mx+b form.
	_ *
	4.10
The same of the sa	and the same of the same of the same
	7
m.	No. of the second
3. Determine the equation of a line that passes through the points (6	yz, and (20,5) in general form.
*	
x =	2 11 11 11 11 11
	- Continues of
A 10	
, i i jest i sajbij	ew D
. Find t if AB is parallel to CD.	
Print Cit Ab is paraller to Cb.	
A (3,4) B (8,2) C (6,1) D (16, t)	
(-) - (-)-(-)-(-)-(-)-(-)-(-)-(-)-(-)-(-	
• = 2	t = 0.2

5. Find t if AB is perpendicular to CD.

A (3,4) B (8,2) C (6,1) D (16, t)

t =

	1	++++				
	7 6		4			
H	5 4					
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H	3 4			vi.		
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	3				8	
	V ax					¥
7. Cre	ate an equation	of a line wit	h a slope of ze	ro. Graph	the equat	tion.
H	9 9					t e
	7 4				-	d
	3					8.3
10						
	2 2		79			H H
	4					
H	x 4		100			
	10					1
			~			
8. Sta	te the slope, x-in	tercept and	y-intercept of	y=4x-3	1.	×
			16) 6			() () () () () () () () () ()
						*
						Slope is
						x-intercept is
	3)					y-intercept is
	¥)	9				
	e)	9	-			y-intercept is
9. A li	ne segment AB	is parallel to	CD. State th	e slope and	d y-interce	y-intercept is
			CD. State th	e slope and	d y-interce	y-intercept is
	ne segment AB 3,4) B (5,8) C (6		CD. State th	e slope and	d y-interce	y-intercept is
			CD. State th	e slope and	d y-interce	y-intercept isept of line CD.
			CD. State th	e slope and	d y-interce	y-intercept isept of line CD.
			CD. State th	e slope and	d y-interce	y-intercept isept of line CD.
			CD. State th	e slope and	d y-interce	y-intercept isept of line CD.
A (3	3,4) B (5,8) C (6	6,0)			9 3	y-intercept is
A (3	3,4) B (5,8) C (6	6,0)			9 3	y-intercept isept of line CD.
A (3	B,4) B (5,8) C (c	6,0) is perpendic			9 3	y-intercept is
A (3	3,4) B (5,8) C (6	6,0) is perpendic			9 3	y-intercept is
A (3	B,4) B (5,8) C (c	6,0) is perpendic			9 3	y-intercept is
A (3	B,4) B (5,8) C (c	6,0) is perpendic			9 3	y-intercept is