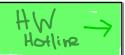
## Pick Up the Warm Up



1. (14, 10) and (-7, 1)

Slope

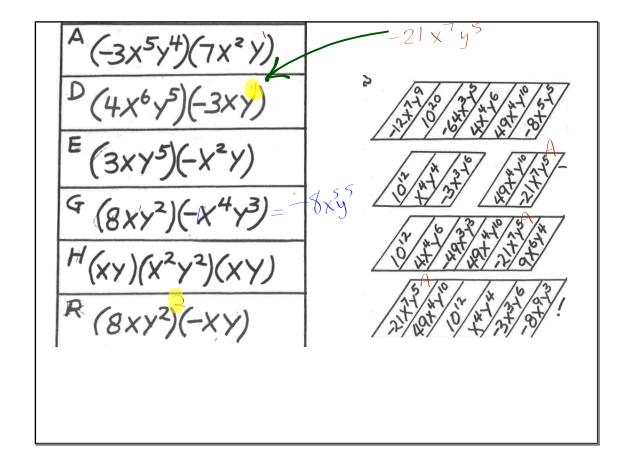
$$M = \frac{10 - 1}{14 - 7} = \frac{9}{21} = \frac{10 - 1}{14 - 7}$$
 $M = \frac{9}{14 - 7}$ 

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②  $y = m \times + b$  (14, 10) and (-7, 1)

3 (8, -1) and (2, 7)  $M = \frac{-1 - 7}{8 - 2}$   $M = \frac{-8}{6}$   $M = \frac{-8}{6}$   $M = \frac{-4}{3}$   $M = \frac{4}{3}$   $M = \frac{4}{3}$  M = December 17, 2018

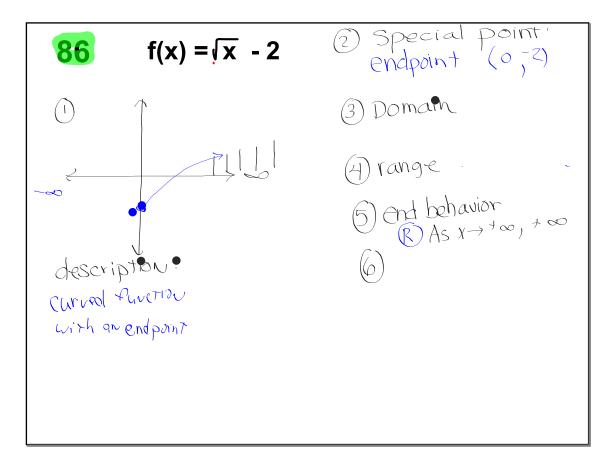
3 (8, -1) and (2, 7) y = mx + b  $M = \frac{-1 - 7}{8 - 2}$   $M = \frac{-8}{6}$   $M = \frac{-4}{3}$ 



[-,	$(2x^2y^3)^2$	(-3x3y2)2		
M (-:	2 <sub>X</sub> 3 <sub>y</sub> ) <sup>3</sup>	N (7X245)2	$(-2)^3 (x^3)^3$ $-8 x^9 y^3$	Ч
7	104)3	(105)4		
0	7xy)?(-	-XY) =		

## **HW Questions?**

let's go over #86



k

(6) 
$$y - int (0, -2)$$

$$\frac{X-int}{(4,0)}$$

$$\sqrt{x} = (3)$$

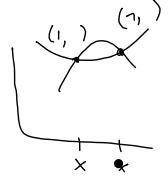
$$\sqrt{x} - 3 = 0$$

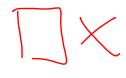
$$y = \sqrt{x} - 2$$

## 84 find intersection between

$$f(x) = 2x^2 - 3x + 4$$
 and  $g(x) = x^2 + 5x - 3$ 

$$2x^2 - 3x + 4 = x^2 + 5x - 3$$





- A) y=mx+b

  B) A= mx

  C) V = L-MH

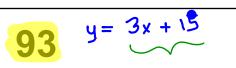
$$r^2 = \frac{A}{\pi}$$

$$W = \frac{V}{LH}$$

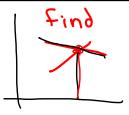
$$X = \frac{y-b}{m}$$

$$3) \quad 2x + \frac{1}{9} = 3$$





$$y = 3-3x$$



c) Write an equation that does not contain y and solve it for x

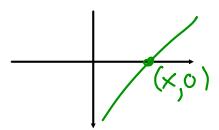
$$3x + 15 = 3 - 3x$$



d) Use the x-value you found to find the corresponding y- value

$$95 \quad \mathbf{1}(\mathbf{x}) = \mathbf{x}^{2} - 5$$

fond x-intercepts



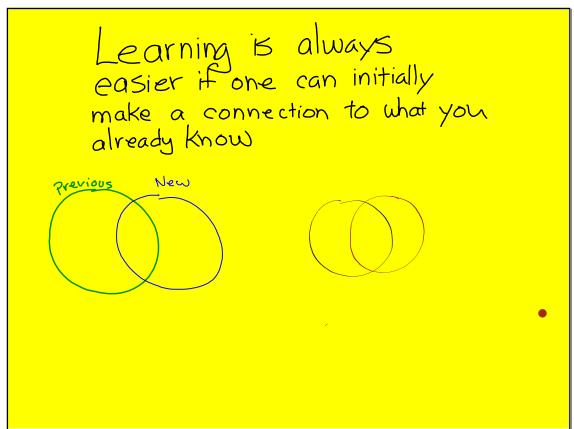
MATCHING

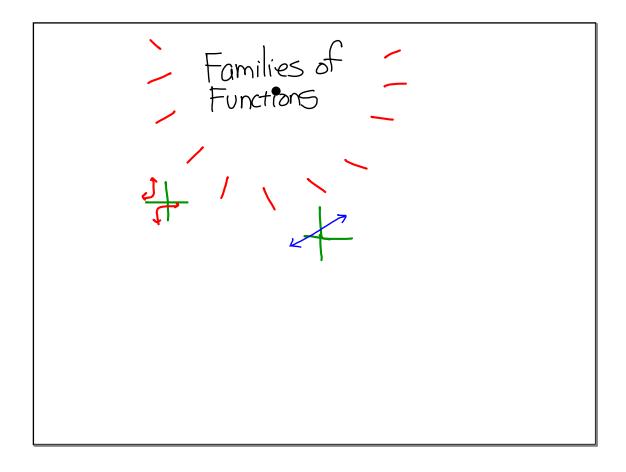
a. 
$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

- b.  $\frac{\sin A}{a} = \frac{\sin B}{b}$
- c.  $c^2 = a^2 + b^2$
- d.  $c^2 = a^2 + b^2 2ab\cos C$

- 1. Law of Cosines
- 2. Law of Sines
- 3. Pythagorean Theorem
  - 4. Quadratic Formula

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Determine whether relationships given in tables and situations are linear or not.

background first Parameters give the function it's shape.

$$y = mx + b$$
  $y = \frac{1}{x - h}$   $y = 0x^2 + bx + c$ 

$$\uparrow$$

c) Parameters
$$y = mx + b \qquad y = \frac{1}{x - h} \qquad y = x + bx + c$$

$$y = 0x + 0x + 0$$

what do all functions in the family have in common?

is 
$$2y + 5x = 7$$
 linear?  

$$y = -5x + 7$$

$$y = -5x + 7$$

$$y = -5x + 7$$

Activity to determine if a situation is linear.

1. Decide if it is linear or not.

2. If linear, what is it's equation.

a.		
a.	Pieces of	Grams
	Bread	of Fiber
	0	0
	1	5
	2	10
	3	15
	4	20



b. Killer Fried Chickens charges \$7.00 for a basic bucket of chicken and \$0.50 for each additional piece. The input is the number of extra pieces of chicken ordered, and the output is the total cost of the order.

 $\sqrt{-0.50} \times 7$ 

 $y = 7 + 0.50 \times$ 

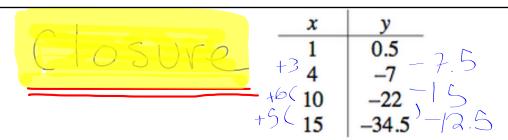
C.	x	у	
	10	0	
	5	5	
	3	5 7	ij=-x+1(
	2	8	
	1	9	
	0	10	

d.		
u.	x	у
	10	1
	5	2
	10 5 4 2	2.5
	2	5
	1	2 2.5 5 10 20
	1 0.5	20

e. James planted a bush in his yard. The year he planted it, the bush produced 17 flowers.
Each year, the branches of the bush split, so the number of flowers doubles. The input is the year after planting, and the output is the number of flowers.

f.	x	l y
	0	-7
	2	-2
	2 4 6 8	3
	6	8
	8	13

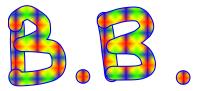
 $\sqrt{-2.5}x-7$ 



Decide if the relationship is linear.

$$y = -2.5x + 3$$





Assignment

1 ..... 104 to 110

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(	December	er 17, 2018
		$\Box$