



## **Algebra II**

- Seating Chart**
- Cell Ph Pocket #**
- Workbooks**
- Expectations/Supplies - google classroom**
- Website/ Assignment Calendar**
- Google Classroom Code**
- Class meetings next week during Advise Tuesday.**

Aug 29-11:17 AM

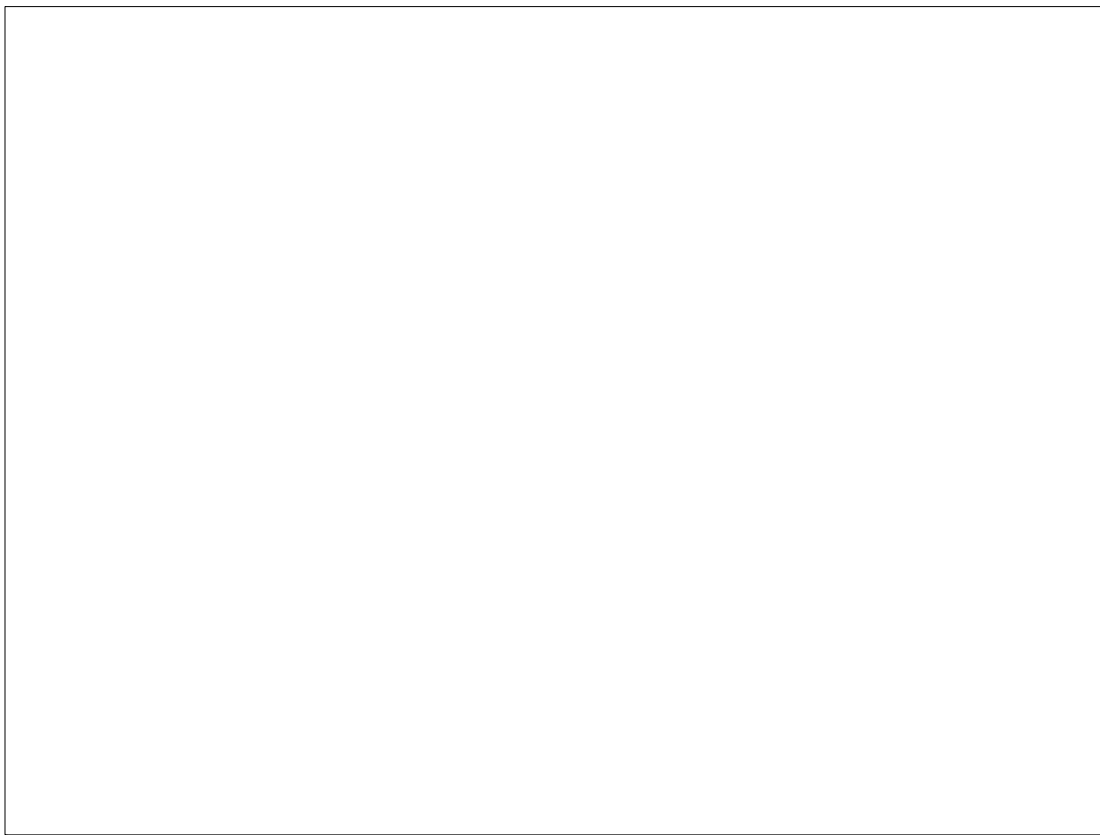


**GO COUGARS!**

**HW DUE THURS - pg. 50 #3, 8, 12, 13, 16, 18, 21, 25, 27**

**pg. 50 is attached in the assignment calendar on my website**

Aug 29-11:17 AM



Aug 18-8:52 AM

**2.1 Relations and Function Notes**

**Relation** – a set of ordered pairs: for example  $\{(4, 6), (-2, 100), (-7, -10)\}$   
**Function** – a relation where there is exactly one  $y$  value for every  $x$  value (one output for every input)  
**Domain** – the set of  $x$  values (input)  
**Range** – the set of  $y$  values (output)

Functions come in many forms:

<p>Table</p> <table border="1" style="display: inline-table; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;"><math>x</math></th> <th style="padding: 2px;"><math>y</math></th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">1</td> <td style="padding: 2px;">3</td> </tr> <tr> <td style="padding: 2px;">-3</td> <td style="padding: 2px;">4</td> </tr> <tr> <td style="padding: 2px;">-7</td> <td style="padding: 2px;">-6</td> </tr> </tbody> </table>	$x$	$y$	1	3	-3	4	-7	-6	<p>Ordered pairs</p> <p><math>\{(4, 6), (-2, 100), (-7, -10)\}</math></p>	<p>Graph</p>
$x$	$y$									
1	3									
-3	4									
-7	-6									

To determine if a relation is a function when represented as (a)...  
 table: If the  $x$  values DO NOT REPEAT, the relation is a function  
 ordered pairs: If the  $x$  values DO NOT REPEAT, the relation is a function

graph: VERTICAL LINE TEST – a vertical line through the graph may cross it only once

 YES, a function	 YES, a function	 NO!!!, not a function
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**Standard Notation**  $y = 2x - 7$   
**Function Notation**  $f(x) = 2x - 7$  Say this 'f of x equals 2x - 7'  
 to find a function value 'f of 5' written  $f(5) = 2(5) - 7$  Put 5 in for all the  $x$ 's  
 $= 10 - 7$  Simplify  
 $= 3$

You are responsible for this information. If you need to practice this you may work the following problems. This is optional and will not be checked for a homework grade.

page 59 #5-11 odd (find domain and range only, do not map), 13-29 odd, 38, 39, 43-45

Aug 13-3:51 PM