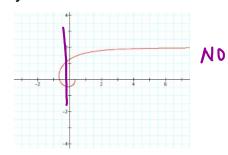
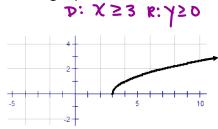
GO COUGARS!

WARM UP - No Calculator

- 1) Given $f(x) = x^2 5$, find the value of f(-3), f(1/2), and f(5). $f(-3) = (-3)^3 - 5 = 4$ $f(\frac{1}{2}) = (\frac{1}{2})^3 - 5 = \frac{1}{4} - \frac{20}{4} = \frac{1}{4}$ f(5) = 20
- 2) What's another name for the domain and range of a function?
- 3) Is the graph a function? yes or no?



4) State the domain and range of the graph below.



Feb 2-9:51 PM

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Homework Questions?

- pg. 50
- 3) 29
- 8) 2a 4b
- 12) 8/3
- 13) 5

- 16) $x = \frac{2a}{a-b}$
- 18) x = a(b-1) + 5
- 21) \$138
- 25) t > 1/2
- 27) 1 < d < 2

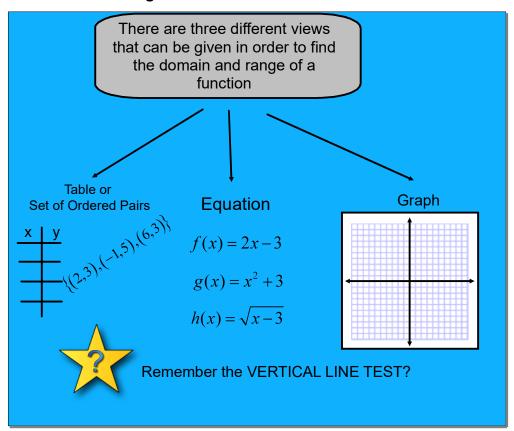
2.1 Relations and Functions
Objective: to identify domain and range, if
a
set of ordered pairs or a graph is a function,
and evaluate functions at a given point

Note Catcher - WB pg 5

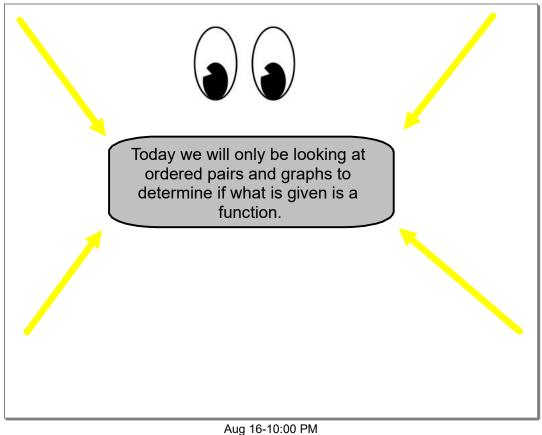
Feb 2-9:41 PM

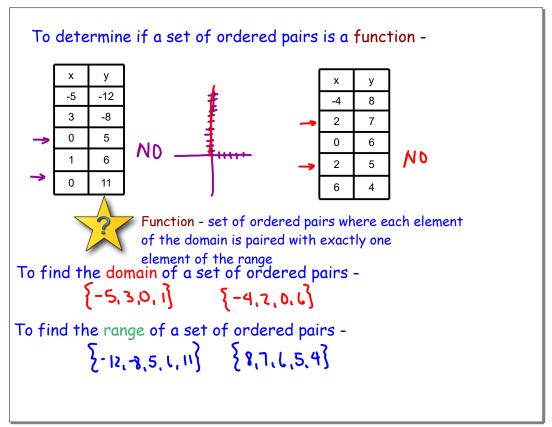


Feb 13 - 9:00 AM

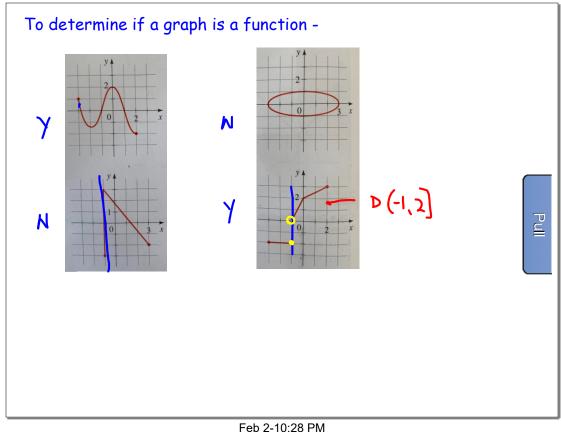


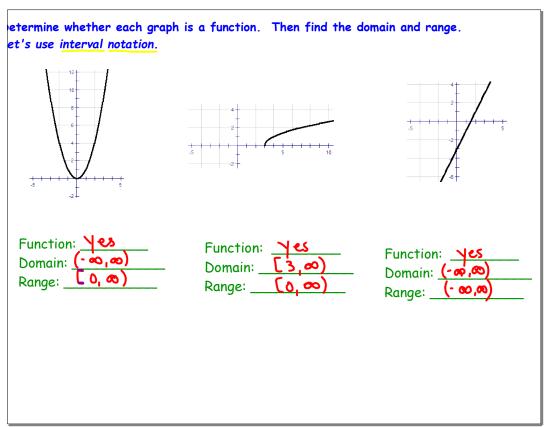
Feb 2-10:05 PM





Feb 2-10:28 PM





Feb 2-10:24 PM

Evaluating a function at a point.

For each function, find the value of f(-4), f(1/2) and f(5).

$$f(x) = -3x - 7$$

$$f(-4) = 3(-4) - 7$$

$$= -12 - 7$$

$$f(x) = 8 - x^{2}$$

$$f(x) = 1/2x + 3$$

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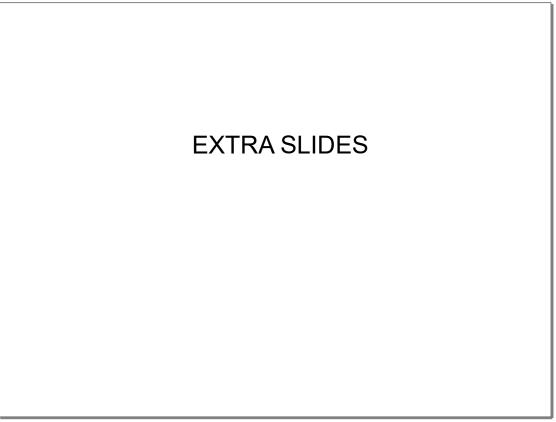
2.1 Relations and Function Notes Relation - a set of ordered pairs: for example {(4, 6), (-2, 100) (-7, -10)} Function – a relation where there is exactly one y value for every x value (one output for every input) Domain - the set of x values (input) Range - the set of y values (output) Functions come in many forms: x y {(4, 6), (-2, 100) (-7, -10)} 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 Standard Notation y = 2x - 7Function 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= 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 24-2:05 PM

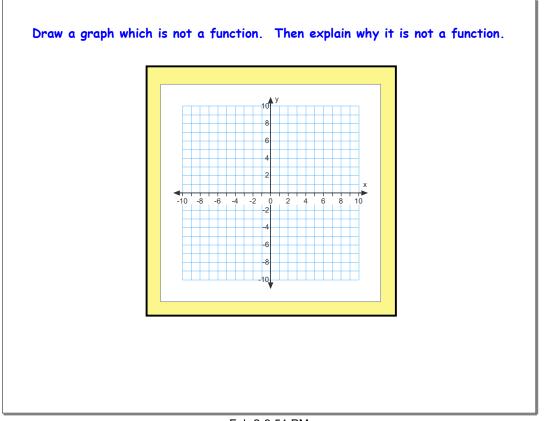
GO COUGARS!



Homework 2.1 - No Calculator p. 59 #7-11 odd (find domain/range only!) and #13-23 odd, 26, 29, 38, 39, 43-45



Aug 15-9:03 AM



Feb 2-9:51 PM



Aug 14-5:38 PM

