Download this PDF to your computer and go to
www.livescribe.com/player
On iOS, open the PDF in Livescribe+.

§ 3.2 (cont'd)

(d) for what numbers "x" is $\underbrace{f(x)=0}_{\text{same as } y=0}$? $-12, -2, 8$

(e) for what numbers "x" is $f(x)=-4$? $-14, 4$
$y=-4$

(f) for what numbers "x" is $f(x)=$

AACYN2K 3.2.1

(a) if $x=88$, what is $f(x)$? what is $f(x)$? what point on f? $\boxed{(88, 76.1388)}$ ANSWER

$f(x) = 0.7146x + 13.2540$

Course Average $f(x) = 0.7146(88) + 13.2540$

$f(88) = 0.7146(88) + 13.2540$

$= 62.8848 + 13.2540$

$= \boxed{76.1388}$ course Average. ANSWER

(b) If $f(x)=70$, what is x? what point is on the graph of f?

$f(x)=70$

$70 = 0.7146x + \cancel{13.2540}$
$-13.2540 \qquad -\cancel{13.2540}$
$\qquad\qquad\qquad\qquad 0$

$\frac{56.746}{0.7146} = \frac{\cancel{0.7146}x}{\cancel{0.7146}}$
$\qquad\qquad\qquad\qquad 1$

$\boxed{79.4094\ldots = x}$ $\boxed{(79.4094\ldots, 70)}$

livescribe

§ 3.2 (cont'd)

(d) for what numbers "x" is $f(x) = 0$? $-12, -2, 8$

same as $y = 0$?

(e) for what numbers "x" is $f(x) = -4$? $-14, 4$

$y = -4$

(f) for what numbers "x" is $f(x) =$

AACYN2K 3.2.1

(a) if $x = 88$, what is $f(x)$? what is $f(x)$? what point on f? $\boxed{(88, 76.1388)}$ Answer

$f(x) = 0.7146x + 13.2540$

Course Average $f(x) = 0.7146(88) + 13.2540$

$f(88) = 0.7146(88) + 13.2540$

$= 62.8848 + 13.2540$

$= \boxed{76.1388}$ course Average. Answer

(b) if $f(x) = 70$, what is x? what point is on the graph of f?

$f(x) = 70$

$70 = 0.7146x + 13.2540$

$-13.2540 \qquad -13.2540$

$\frac{56.746}{0.7146} = \frac{0.7146x}{0.7146}$

$\boxed{-79.4094\ldots = x}$ $\boxed{(-79.4094\ldots, 70)}$

(c) If Noel wants to earn an "A" in college Algebra (a course Average of 90) what homework average should she attempt to earn? Interpret your answer

$f(x) = 0.7146x + 13.254$

$90 = 0.7146x + 13.254$

$-13.254 \qquad -13.254$

$\frac{76.746}{0.7146} = \frac{0.7146x}{0.7146}$

$107.397\ldots = x$

$(107.397\ldots, 90)$

Apply vertical line test to determine

(a) NO
(b) YES
(c) NO
(d) YES

As a class 10, 11, 12, 13

Domain: collection of all x coor.
Range: collection of all y coor.

(a) graph contain an arrow
Domain: $(-\infty, -3] \cup [3, \infty)$
Range: $(-\infty, \infty)$

(b) Domain $[-\pi, \pi]$
Range: $[-1, 1]$

(c) Domain $(-\infty, 2]$
Range $(-\infty, \infty)$

(d) Domain $(0, \infty)$
Range $(-\infty, \infty)$

How to Prepare for test: *Study Plan
*View all ch.
*Click on ch 3 §
*Click on Any problem.

§ 3.3 Properties of Functions

(32) $f(x) = x^3 - 2x + 5$ on the interval $[-2, 2]$
YOU NEED A GRAPHING CALCULATOR

local minimum? $(.8164974\ldots, 3.911\ldots)$
local maximum? $(-.8164972\ldots, 6.0886621)$
absolute minimum? $(-2, 1)$
absolute maximum? $(2, 9)$

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

Calculator

$\boxed{y =}\ x^3 - 2x + 5$

click $y =$ button

[math] [3] helps you cube something

click link $\boxed{X, T, \theta, n}$ ← button to put "x" in calculator

$\boxed{y =}$ $\boxed{XT\theta n}$ $\boxed{math}$ $\boxed{3}$ $-2x+5$ (enter)

$\boxed{window}$

$x\,min \to -2$
$x\,max \to 2$

$\boxed{Graph}$

$\boxed{x}$
→ $\boxed{-}$ subtract $\boxed{(-)}$ ← negative.
$\boxed{+}$

table: $\boxed{2nd}$ $\boxed{Graph}$ ↑
"cal": $\boxed{2nd}$ $\boxed{Trace}$ ↓

3 or RB
Guess