

BE-1B MONDAY 9-17-07

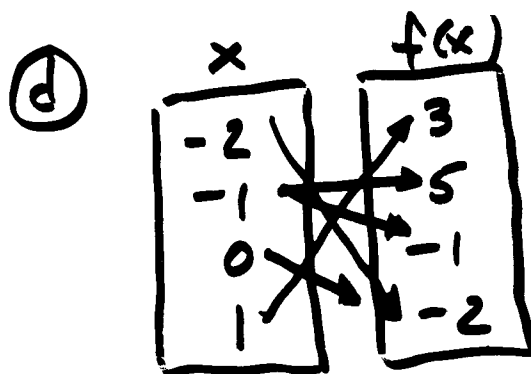
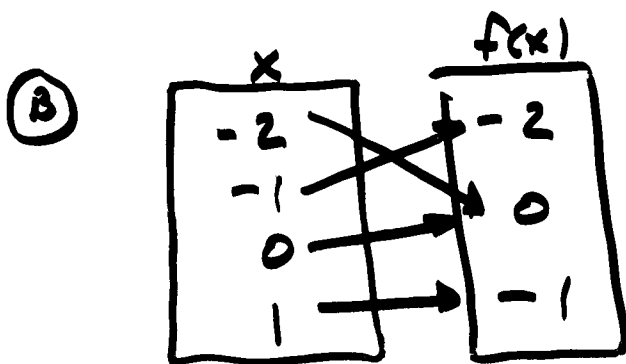
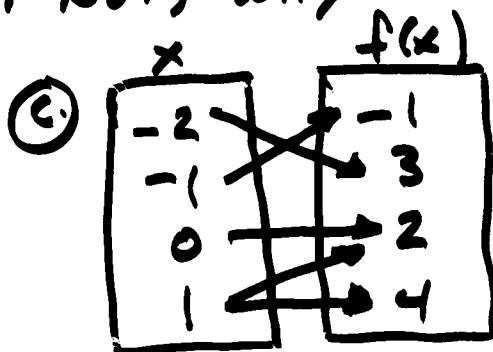
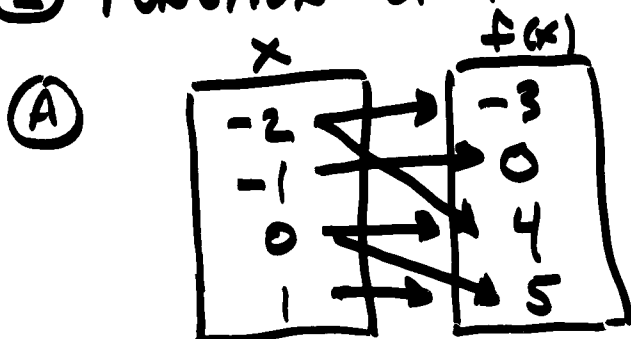
① $f(x) = |x-2|$

the domain of the function is $\{-3, -2, -1, 0\}$

FIND THE RANGE.

💡 Tip: Use A "+" table!

② FUNCTION OR NOT? if not, WHY NOT?



HOMEWORK REVIEW → Pg 259 # 5-10
ANS GE WB

① Pg 45 # 5

② Pg 46 # 10

Ch. 5-2 Slope AND Direct Variation

$$y = mx + b$$

$$\uparrow$$
$$b = 0$$

Equation is called
a direct variation
since y varies
directly with x

$$y = mx$$

OR $y = kx$

$$\uparrow$$

$k =$ CONSTANT OF VARIATION

$$\uparrow$$

Simply ANOTHER NAME FOR SLOPE!

EX) Graph $y = 4x$

EX) Graph $y = -\frac{1}{3}x$

$(0, 0)$ is always one of the points
 $\begin{matrix} x, y \end{matrix}$
in a Direct Variation.

EX 4
Pg 266

Suppose y varies directly as x
and $y = 28$ when $x = 7$

$$y = mx$$

$$28 = m(7)$$

$$4 = m$$

$$\boxed{y = 4x} \leftarrow \text{the DVE that relates } x, y$$

Find x when $y = 52$

$$52 = 4x$$

$$\boxed{x = 13}$$

Practice: Pg 267 # 4 to 11

Homework: Pg. 268 # 21, 23, 29, 33, 36

Paper Airplane Project - Intro.

Return / Review GRADE EXAM 1