

099 \$3.2F #s 4, 14, 18, 24, 26, 30

#s 1-18 Find Domain (\mathcal{D}) and range (\mathcal{R}).
Also determine whether it's a function.

(4) $\{(6,6), (5,6), (5,-2), (7,6)\}$

$\mathcal{D} = \{6, 5, 7\}$, $\mathcal{R} = \{6, -2\}$

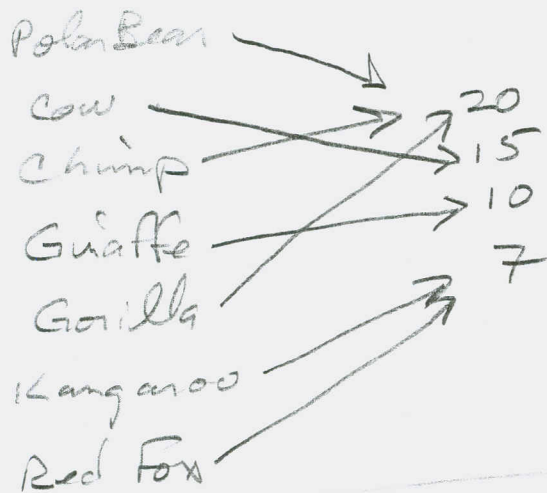
Not Function ($(5,6)$ & $(5,-2)$ mess it up)

(14)

INPUT
Animal

OUTPUT
Lifespan

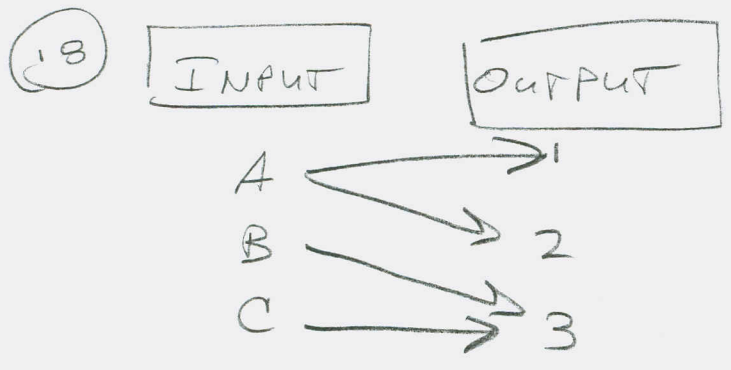
$\mathcal{D} =$



$\mathcal{D} = \{\text{Polon Bear, Cow, Chimp, Guatfe, Gorilla, Kangaroo, Red Fox}\}$

$\mathcal{R} = \{20, 15, 10, 7\}$ IS a function

099 $\$3.2^I$ #5 18, 24, 26, 30

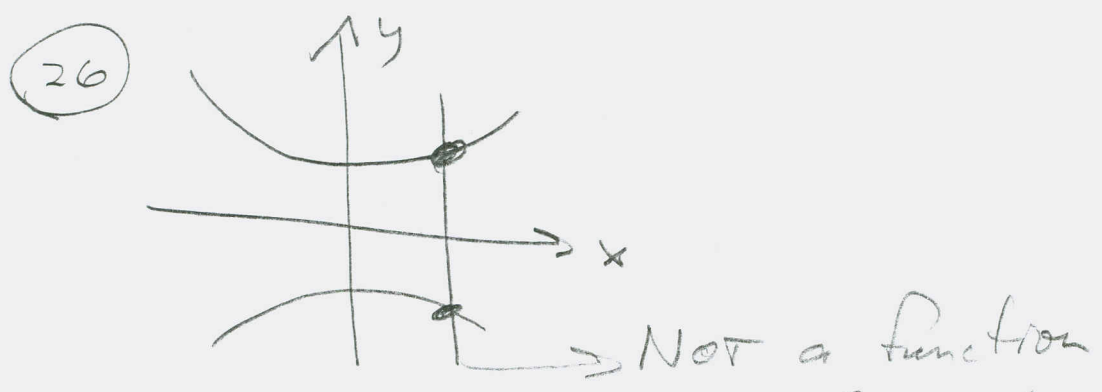
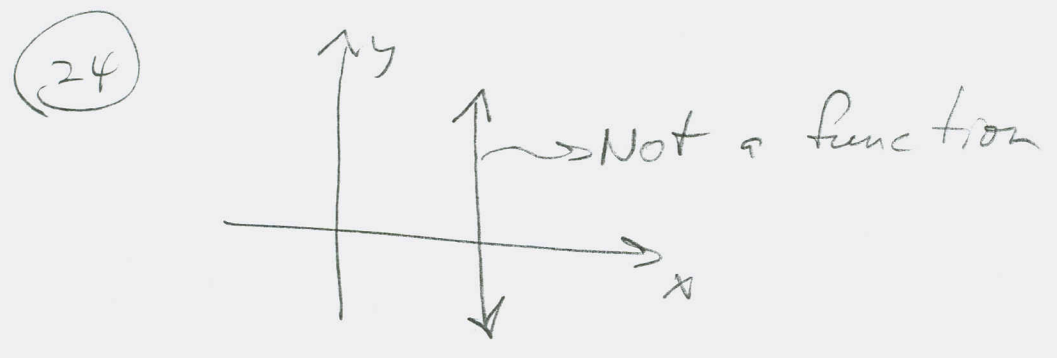


(2)

$D = \{A, B, C\}$
 $R = \{1, 2, 3\}$
Not a function.

$(A, 1), (A, 2)$ mess it up.

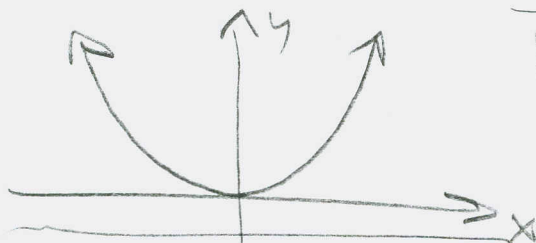
#523-28 Use the vertical line test to determine if the graph represents a function.



The vertical line intersects the graph twice.

#s 29-34. Find the domain and range of each relation. Use vertical line test to determine whether each graph is the graph of a function.

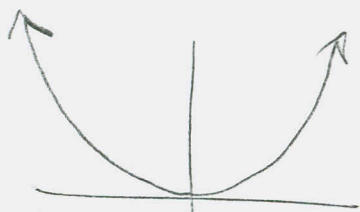
30



Yes, it's a function

$$D = (-\infty, \infty)$$

$$R = [0, \infty)$$


 $-\infty$
 ∞
