

FUNCTION MACHINE CARDS

INPUT \rightarrow RULE \rightarrow OUTPUT



RULE CARD



Add 5

$$f(x) = x + 5$$

RULE CARD



Subtract 3

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

RULE CARD



Multiply by 2

$$f(x) = 2x$$

RULE CARD



Divide by 4

$$f(x) = \frac{x}{4}$$

RULE CARD



**Multiply by 3,
then add 1**

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

RULE CARD



Square the input

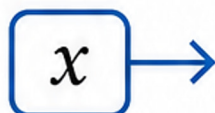
$$f(x) = x^2$$

INPUT CARD



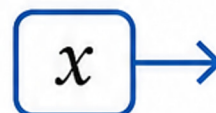
$$x = -6$$

INPUT CARD



$$x = -2$$

INPUT CARD



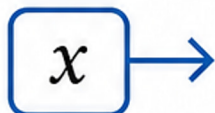
$$x = 0$$

INPUT CARD



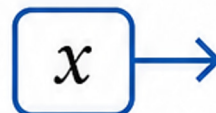
$$x = 2$$

INPUT CARD



$$x = 5$$

INPUT CARD



$$x = 10$$

OUTPUT CARD

Output

$$y = \underline{\hspace{2cm}}$$

OUTPUT CARD

Output

$$y = \underline{\hspace{2cm}}$$

OUTPUT CARD

Output

$$y = \underline{\hspace{2cm}}$$

