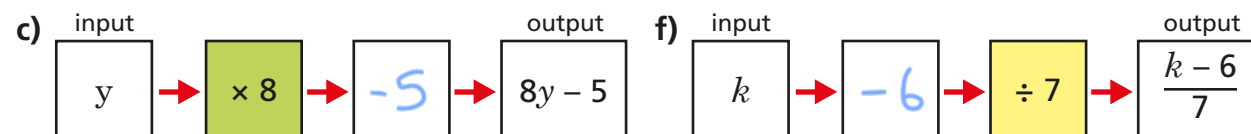
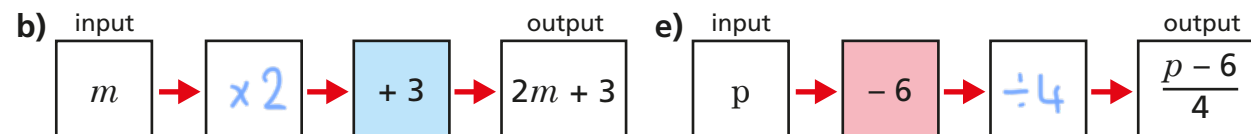
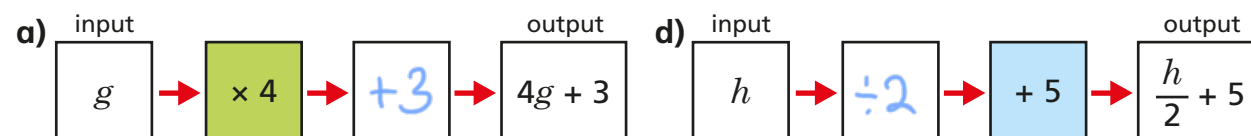
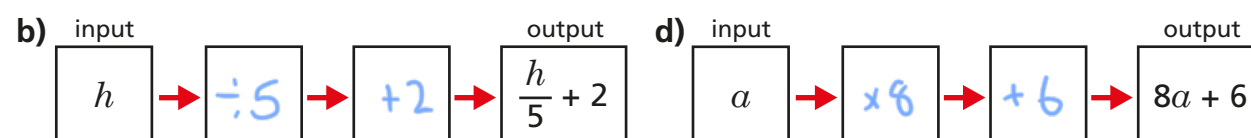
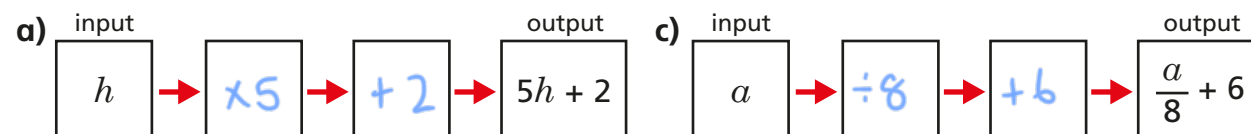


Find functions from expressions (2-step)

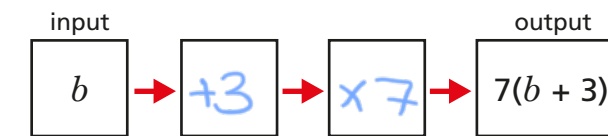
1 Complete the function machines with the correct number and operation.



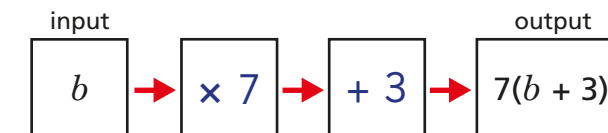
2 Complete the function machines.



3 Alex is completing this function machine.



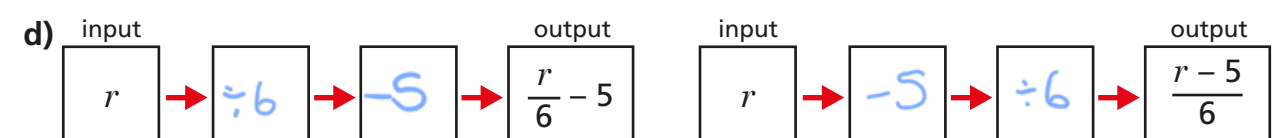
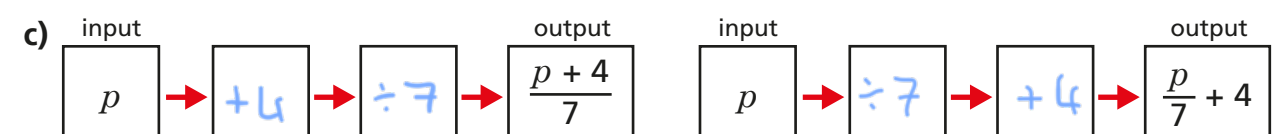
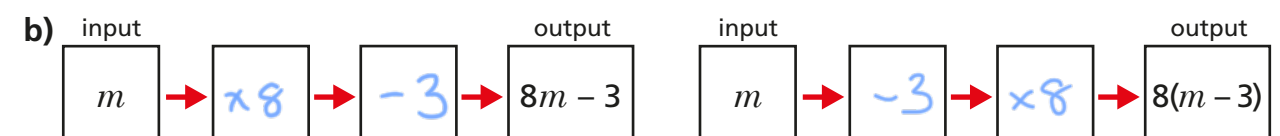
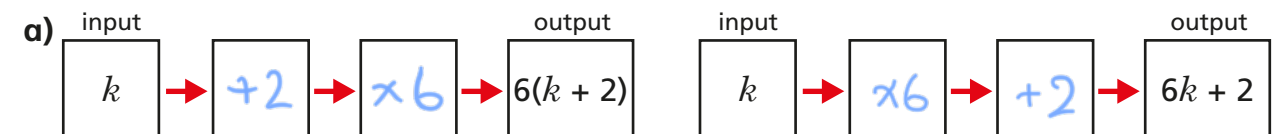
She fills in the gaps like this.



Explain the mistake Alex has made.

She has done them in the wrong order.

4 Complete these 2-step function machines.



What is the same and what is different about each pair of function machines?

- 5 Draw a 2-step function machine that has an input of y and gives an output of $\frac{y}{3} + 5$

$$y \rightarrow \div 3 \rightarrow + 5 \rightarrow \frac{y}{3} + 5$$

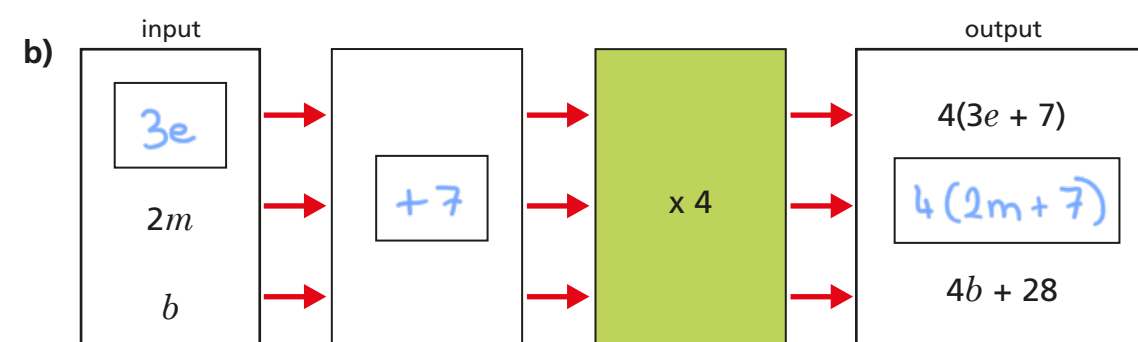
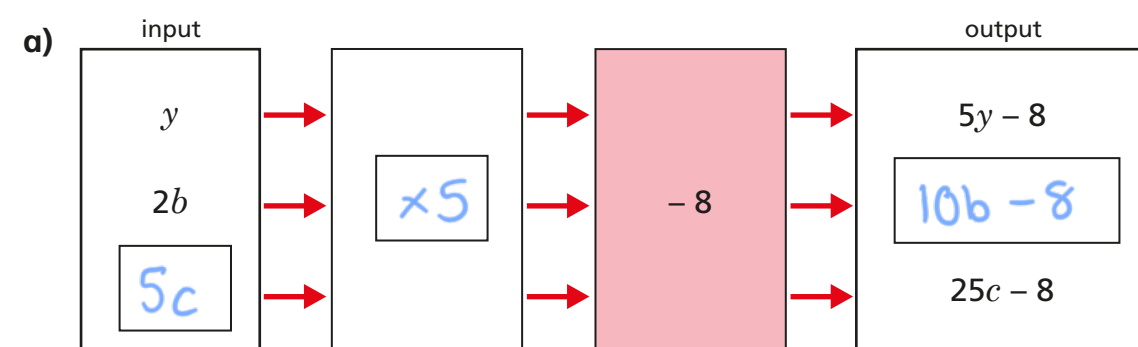
Draw a 2-step function machine that has an input of y and gives an output of $\frac{y+5}{3}$

$$y \rightarrow + 5 \rightarrow \div 3 \rightarrow \frac{y+5}{3}$$

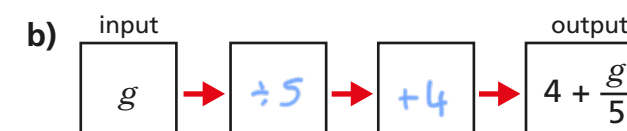
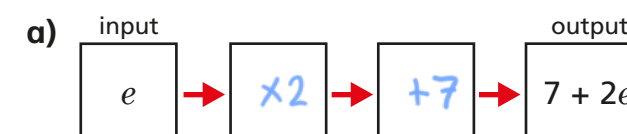
What is the same and what is different about each of the function machines?

Same operations different order.

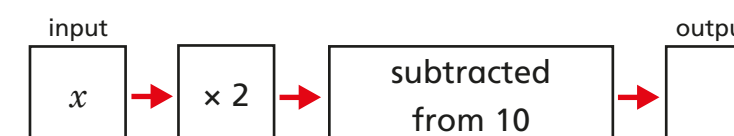
- 6 Complete the function machines.



- 7 Complete these 2-step function machines.



- 8 Here is a function machine.



Which of these expressions shows the output? Tick your answer.

$$2x - 10$$

$$10 - 2x$$

Explain your answer.

Subtracted from 10 not subtract 10