$$\begin{cases} x+y=10 \\ x-y=6 \end{cases} \qquad \begin{cases} x=10-y \\ 10-2y=6 \end{cases} \qquad \begin{cases} y=2 \\ x=8 \end{cases}$$

START

Declare x & y

READ x & y

Is x+y = 10?

False → Print false

True

Is x-y = 6?

False → Print False

True → Print x & x

END