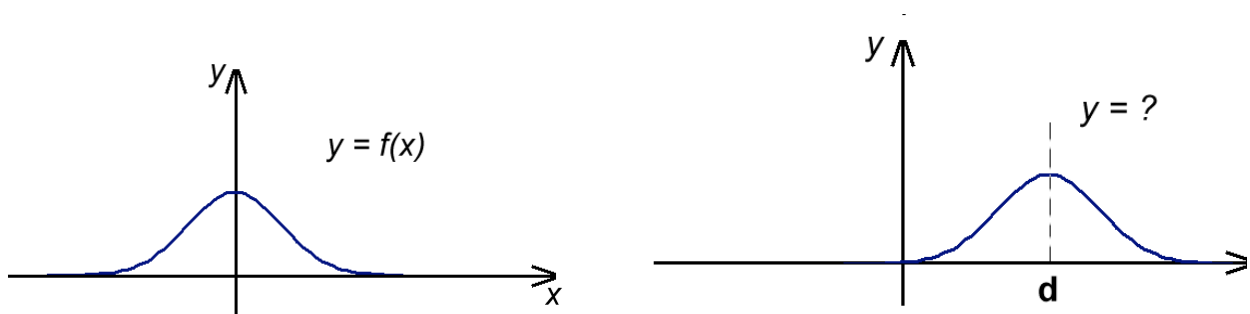


## Do the math

As a pulse moves along a taut string, we know from experience what it's going to do – change its position. When the pulse starts, it looks like the figure shown on the left. When it has moved to the right a distance  $d$  it looks like the figure shown on the right.

If the figure on the left is the graph of the function  $y = f(x)$ , what is the function for the graph on the right?



- #1:  $y = f(x)$
- #2:  $y = f(x) + d$
- #3:  $y = f(x) - d$
- #4:  $y = f(x + d)$
- #5:  $y = f(x - d)$
- #6:  $y = d f(x)$
- #7:  $y = f(x \cdot d)$
- #8: other