Inverse Functions

f(x) = 2x + 15, then f(4) = 2(4) + 15 = 23

which could be described as (4, 23)

Is there a way, another rule, a function, that would allow us to determine if we spent $23, to undo that to know we went on 4 rides?

Let f(x) = y

y = 2x + 15 and solve for x

$$y = 2x + 15$$
$$y - 15 = 2x$$
$$\frac{y - 15}{2} = x$$