Word Problem: next-state-tick

Write a function called *next-state-tick*, which takes in a SunsetState and returns a SunsetState in which the new x-coordinate is 8 pixels larger than in the given SunsetState and the y-coordinate is 4 pixels smaller than in the given SunsetState.

Contract+Purpose Statement
<u>next-state-tick</u> :: <u>SunsetState</u> → <u>SunsetState</u>
Consumes a SunsetState and produces the next SunsetState by moving the sun 8 pixels to the right and 4 pixels down
Give Examples
Write examples of your function in action
examples: a-sunset
next-state-tick (sunset(50, 330)) is
the user types
sunset(50 + 8, 330 - 4)
which should become a-sunset
next-state-tick (sunset(240, 120)) is
the user types
sunset(240 + 8, 120 - 4)
endwhich should become
Function
Circle the changes in the examples, and name the variables. Write the code, copying everything that isn't circled, and using names where you find variables!
fun next-state-tick (a-sunset):
(<u>u sunsee</u>)
1)
<u>sunset(a-sunset.x + 8, a-sunset.y - 4)</u>
end