Sem.I Final Exam

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- 1. Using the code below, explain:
 - (a) Is posn a reasonable model for this animation? Explain why or why not.
 - (b) Write a reasonable signature for mouse-1. Specify the actual type of everything for this question, don't just say "x".
 - (c) Write a good check-expect showing that you know what mouse-1 does.

2. The function Nate wants to use as his key handler has the signature key-2: posn -> posn, and it is supposed to increase the y coordinate by 10 and edcrease the x coordinate by 1.

```
(define (nate-k p)
(make-posn (posn-y p) (- (posn-x p) 11)))
```

(a) Analyze the check-expect below in a sentence or two.

(b) Is the nate-k function reasonable to use as a key handler? Explain.