Luke Beebe
Extra Credit: Error in **median.smooth**

I looked over the code and realized the reason why we're getting NA values is because the equation to get y is taking the sqrt(x-10) but it's written as (x-10)^.5
The first 9 values of x are 1:9. So, this produces a negative, which produces NaN values that smooth.median can't find the median of.

```
x<-c(1:50)
print(x)
y<-(x-10)^.5+rnorm(50)*3 #NaN shows up in the data because it's trying to take the
#square root of a negative number for the first 9 numbers of x
print(y)
 > print(y)
  [1]          NaN          NaN          NaN          NaN          NaN          NaN
  [7]          NaN          NaN          NaN  0.009165974  3.954842151  7.600426919
 [13]  7.840038593  2.124817024  2.591323832  8.872600880  8.045294576  5.374396119
 [19]  2.285440279  5.432186151  2.665882466  4.712497426  1.945295667  3.232605139
 [25] 10.076870908  0.116273228  5.066296972  2.721098264  4.360531552  7.717494861
 [31]  1.939153986  5.350447387  1.384060850  1.802838000  3.939585987  2.317972553
 [37]  5.384631928  5.435323910  5.868726331  4.698612203  5.348160189  7.366709658
 [43]  3.027166298  2.958277422  3.674944847  4.681602465  9.137879396  1.260701338
 [49] 11.645180183  8.119072290
```