- 1) A polynomial fit is a single function
 that is ft using the whole deteset.

 A spline is a fit that only uses
 pieces of the deteset to fit. The
 pieces are "stitched" together with
 boundary rules on derivatives. So a
 spline is a piecewise function.
- 2) See methals code
- 3) see mattab code
- 4) See mattab code
- 5) See mattab code
- 6) The reflection improves the fit because the boundary condition enforces a continuous derivative condition at the boundary.