1. Following up on the cat example from last time, how small would the circle of mud have to be so that the cat would miss it completely?

2. Suppose that in 1980, Steve was 5 feet tall and in 2000 he was 6.5 feet tall.

   Rita was 4.3 feet tall in 1990, and 5.5 feet tall in 2005.

   Using linear models to relate their heights to time, when will Rita be 2 feet taller than Steve?