



The Situation: You are an angry bird. You want to get revenge against the Pigs that have stolen your eggs. You can attack them by loading yourself into a slingshot and flinging yourself in the air. A pig is sitting on the **GROUND**, 16 feet from you...

What Happens Next: In mid-flight, you calculate that your flight pattern is modeled by the equation $y = -\frac{1}{12}(x - 6)^2 + 8$.

The question: Do you achieve your goal? If not, how close are you to getting the pig?