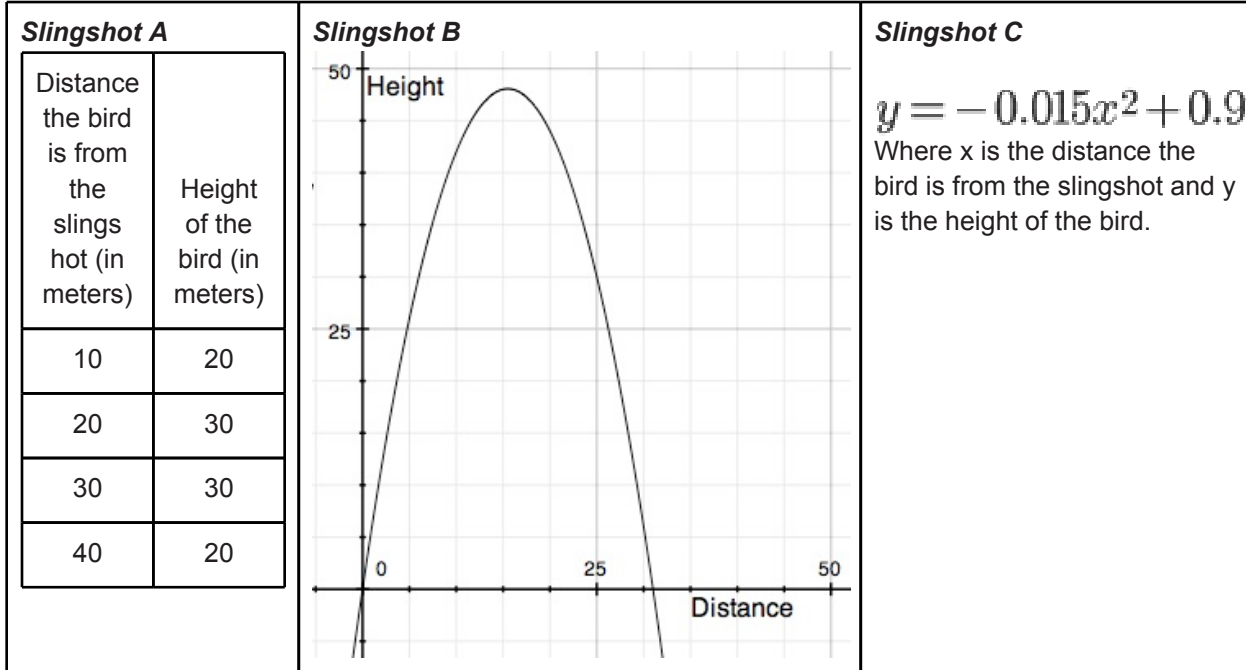


Suppose some very "angry birds" are attacking some "pigs" in a castle by using a slingshot to launch themselves at the castle walls. Depending on the angle that they are lanced at they will either shoot long and far or high and short. The data about how each slingshot launches each bird is listed below:



a. How "far" can each slingshot launch birds? If the castle is far away the slingshot that should be used is the one that can reach the castle wall from the farthest distance away for the castle. Which slingshot should be used if the castle is far away?

b. How "high" can each slingshot launch birds? If the castle has walls that are \_\_\_ tall, which slingshot should be used?

c. What are the "pros" and "cons" of using each slingshot? Under which conditions would you use each slingshot?