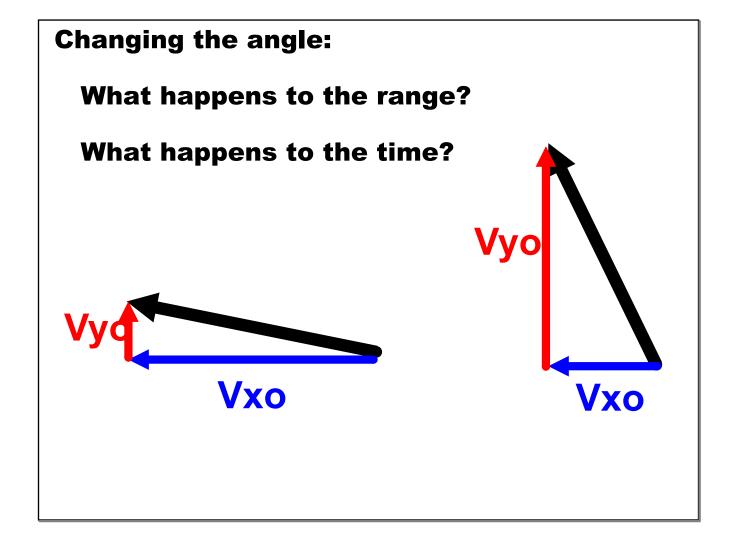
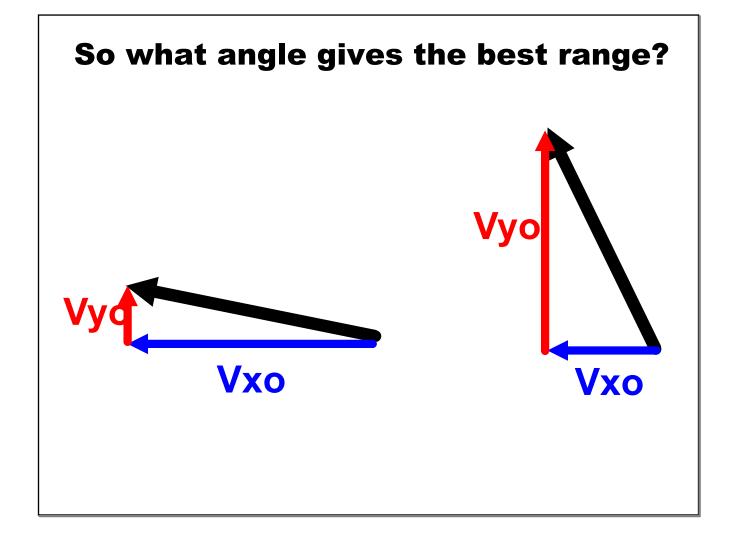
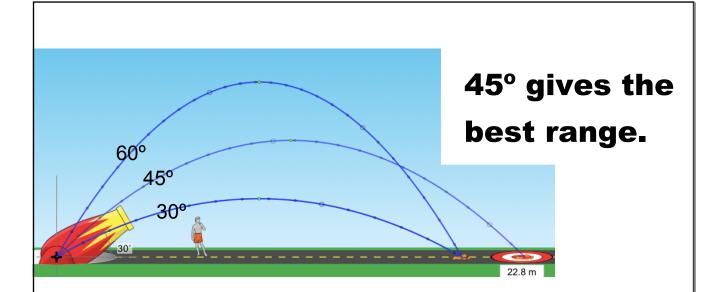


Takes it to the target.

It's a trade off. You're sacrificing some of the velocity to buy time.



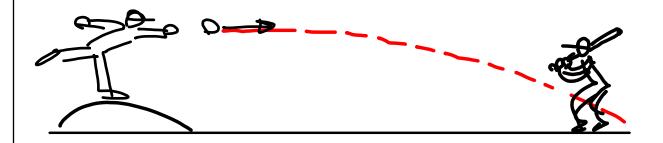




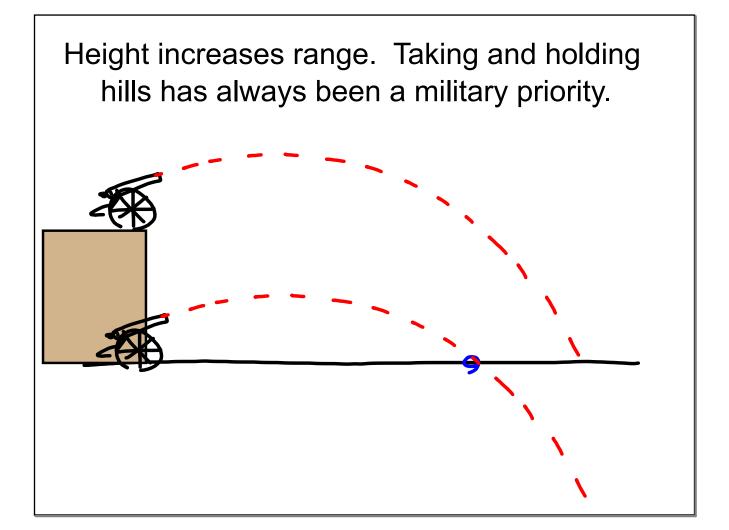
Higher angles take more time to get there.

Complementary angles hit the same spot. (Range is symmetrical around 45°.)

Pitching - you don't want to sacrifice your Vxo, but it will hit the ground too soon!



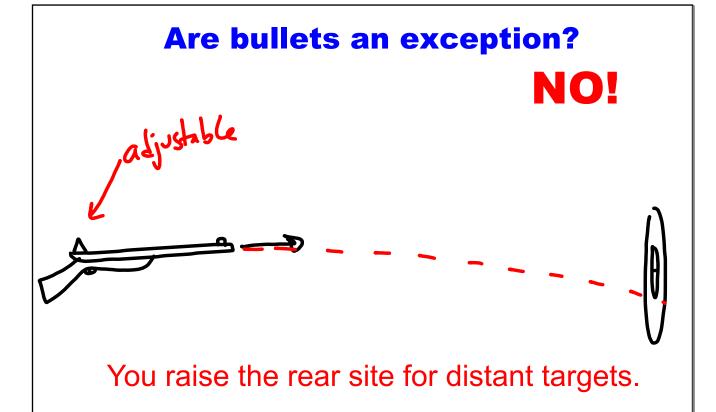
Solution: Put the pitcher on a hill (mound).



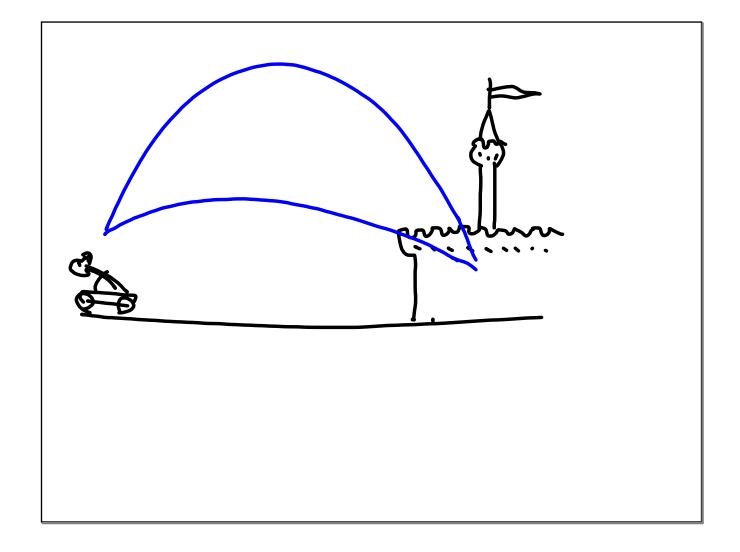
Do all projectiles fall or are bullets an exception?

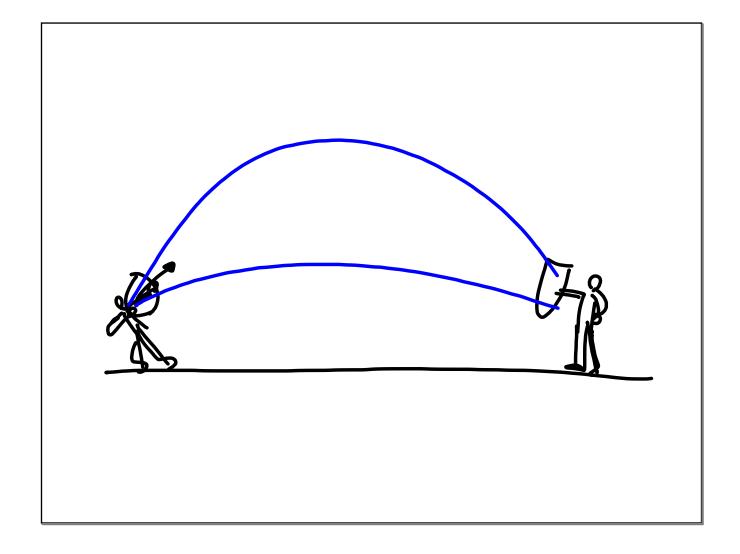


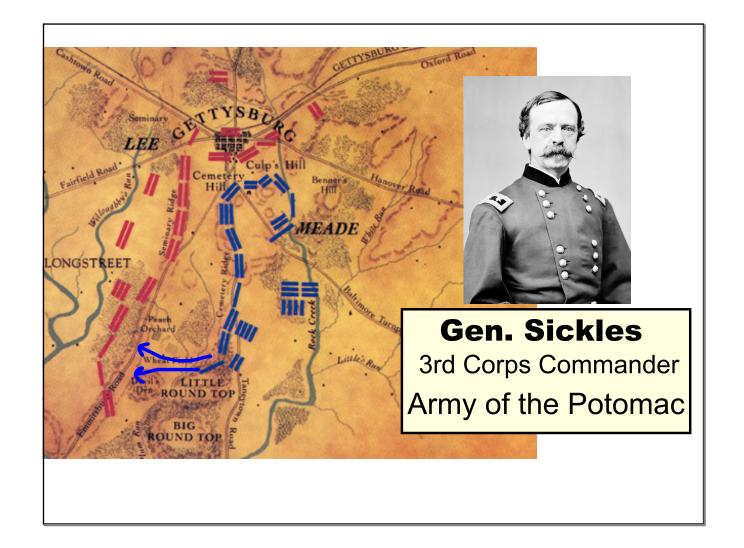


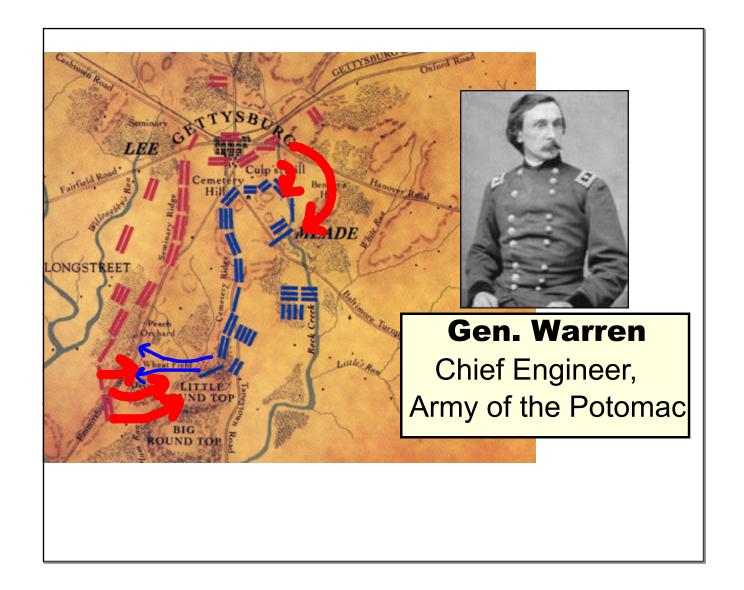


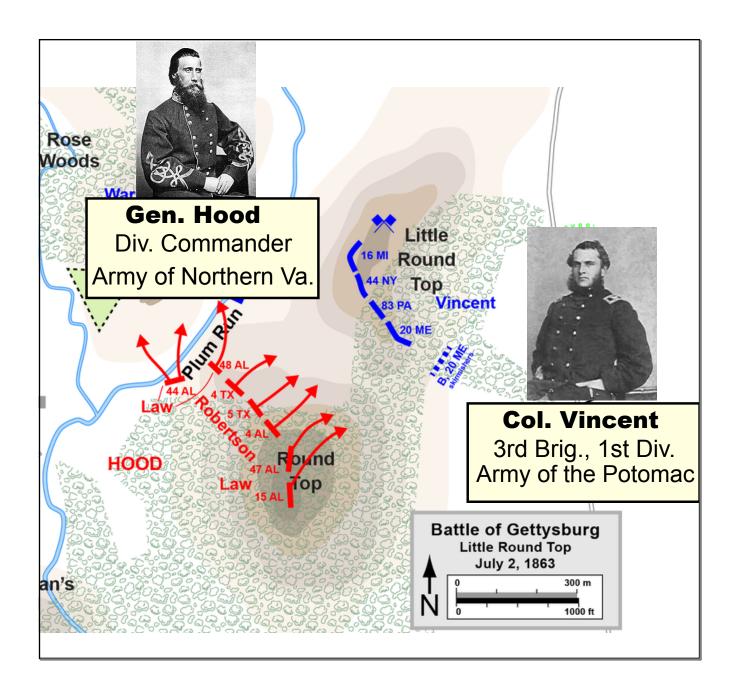
That causes you to aim up.

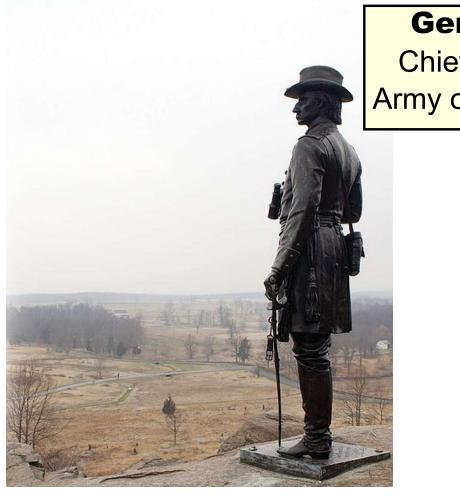












Gen. Warren

Chief Engineer,
Army of the Potomac

Angled Launch: Concepts	Jan, 2020