	Requirement	Possible points
A.1	worked through the derivaiton from quadratic formula to given solution on page 1	0.5
A.2	worked through the derivaiton from formula on page 1 to given solution on page 2	0.5
A.3	filled in answer for steps 5 & 6 and rounded answer	1
	attached sheet with shots from part A	1
A.4	checked the correct box and filled in h	1
	showed work for finding v_0	1
	rounded final answer appropriatly	0.5
B.1	started with correct formula involving v_f	1
	worked thorugh derivation to get given formula for v_y	1
	answered +/- correctly and gave justifiation	1
	recorded angle and new height	1
	recorded new height	2
	use dirived formula to find the final verical velocity	0.5
	calculated the hang time and showed work	1
B.2	calculated horizontal initial velocity	1
	calculated a prediction for range of arced shot	1
	recorded experimental distance on page 7	1
	calculated percent difference with work shown	1
	attached sheet with shots from part B	1
B.3	calculated hang time via quadratic formula	1
	filled out "hand-in" sheet	1