





Distance in n-direction

Sx = 42t + 49t2

= (u coso . ++ ++ · Vail) · t

= (13.623. (cos (64.1)) + 1.01) 2.4.

= 13.16.705 m/s

Manimum horizontal range,

Rman z uzsinzo

Monizontal vange at 45° = 42 sin20

 $=(13.623)^2.$ 1

2 18.937 m

Horizontal range at 36,

= 4251020

= (13.623) · Sin(72)
9.8

= 18.01 mg,

	C Page
	Measured Values
	Time = 2.45 Distance = 16.7 m
	Distance = 15.7 mls Vail = 1.01 mls
0.5(1	4 ((1-10) 10) \$ (3' 71) =