m Tł th

must have in order to hit a target $R = 500$ feet away. The target is located on the same horizontal plane as the starting location of the projectile.	V
Given:	R—→

<u> </u>		
Find:		
Solution:		
	e projectile's initial ne x and y -coordina	
$\mathbf{v}_0 = $	i +	j
At what and maximum?	gle will the range (R)	be
θ =		
Calculate t	the range.	
	range of the project v_0 , θ , and t ?	tile as a
R =		
What is the and θ ?	time of flight as a fu	unction of v_0

Calculate the minimum speed.

Plug the time equation into the range equation and solve for v_o .

$v_0 =$			