Name		Date
Regents Physics		Measure & Math WS 7R
Period	[<u></u> _	Mr. Moy
Free Fall and Throwing Upwards		
Troot and time time of the control o		
1.	The Westin Stamford Hotel in Detroit is 228 m tall. If a wor sandwich, how long does it take the sandwich to hit the gro resistance? How would the air resistance affect the answer	und, assuming there is no air
2.	A trained acrobat can safely land on the ground at speeds greatest height from which the acrobat can fall?	up to 15 m/s. What is the
3.	Andy Friese skydives out of a plane. We can assume his in neglect air resistance. How far has he traveled after 55 sec	-
4.	A tennis ball is struck with a racket, firing it straight upward time will it be falling at 14 m/s? [Hint: How do we show directions of the content of the c	
5.	An arrow is fired straight up, leaving the bow at 16.7 m/s. I how high will the arrow rise?	f air resistance is negligible,

6. A man named Bungkas climbed a palm tree in 1970 and built himself a nest there. In 1994 he was still up there and he had not left the tree for 24 years. Suppose Bungkas asks a villager for a newspaper, which is thrown to him straight up with an initial speed of 11.5 m/s. When Bungkas catches the newspaper from his nest, its velocity is now 2.5 m/s straight up. From this information, find the height at which the nest was built. Assume that the newspaper is thrown from a height of 1.5 m above the ground.