_na <sub>]</sub>	pter 13:	Energy an	1 Power		, page 11	1	vame			
/or	ksheet:	Determini	ng Gravitati	ional Pote	ntial Energ	y 1	Period	Date		
· ar	neworks	(Code								
			r calculating blems. Be su					gh. Manipulat	e this formul	a to
1.	What whigh cli	•	vitational po	tential ener	rgy associate	ed with a	ı 64 kg bo	ulder sitting or	top of a 523	} m
							•			
2.								ne gravitationa ver, what is the		
3.	A high 1970 J	• "	a mass of 82	2.0 kg. Hov	v how was h	is jump	if he had a	a gravitational	potential ene	rgy of
									•	
4.		orld record for his mass?	or pole vaulti	ng is 6.15 i	m. If the pole	e vaulter	r's gravitat	tional potentia	energy is 49	942 J,
	-								v	
5.		plane with a und is the pl		000 kg has	a gravitation	nal poter	ntial energ	y of 917,000,0	00. How far	above
				·		-				
6.		-	tional potenti with respect				kg tourist	at the top floo	r of the Sears	3
7.			in climber re ional potentia					nmit is 6194 n leal level)?	above sea l	evel,
								•		

8. A bird lands on top of a radio tower that is 629 m. If the bird has 2003 J of gravitational potential energy,

what is its mass?