AP Physics – Newton's Laws – 11

	Who you arePer
1	Accept that some days you're the pigeon, and some days you're the statue.
1.	A frog jumps at an angle of 42.5° to the horizontal
	with a speed of 13.5 m/s. How far does it travel? I KNEW THEIR OFFER OF LIFETIME MEDICAL COVERAGE SOUNDED TOO GOOD
	GREEN ROOM GLADIATORS ONLY
2.	A 450 kg mass is accelerated at 2.5 m/s ² . (a) What is the net force causing this acceleration? (b) much distance will have been covered after 3.5 s
	स्थान्दर्शके गण-स्वत्वारहित्यः एक्ष्यः स्था श्रमस्वद्धस्य स्वत्युद्धः स्थान्नारहित्यः स्थान्यः स्थान्यः स्थान्य
3.	A book sits on a table. The book has a mass of 1.25 kg. Draw a free body diagram of the book

4. A boy pushes a lawnmower. The handle of the lawn mower makes an angle of 22.0° with the horizontal. If the boy pushes with a force of 135 N, what are the horizontal and vertical

components of the force?

5. A 46.5 kg traffic light hangs from two cables that are at the angles shown. Calculate the tensions in the two cables.



6. A 50.5 kg traffic light hangs from two cables that are at the angles shown. Calculate the tensions in the two cables.

