Work-Energy Theorem Practice Problems

1.	A squirrel (mass 0.9 kg) is running across the road at a speed 4.0 m/s. What is the squirrel's kinetic energy?
2.	A kangaroo is hopping about downtown Sydney, looking for some grub. If its legs exert a force of 760 N and his legs push a distance of 40 cm, how much work do the kangaroo's legs do?
3.	A bird (with mass 1.5 kg) is flying in the air at a speed of 10 m/s. The bird approaches a building with mirrored windows and, sadly, runs straight into the building. a. What is the bird's kinetic energy when flying?
	b. What is the bird's kinetic energy after running into the window?
	c. How much work does the window do on the bird?

