Name	_ Class Period
Spring Proble	ms
1. A dart of mass 0.100 kg is pressed against the spring of a compressed 6.0 cm and released. If the dart detaches from natural length, what speed does the dart acquire?	
2. A ball of mass $m = 2.60$ kg, starting from rest, falls a verti vertical coiled spring, which it compresses an amount $x = 15$ constant).	_
3. A spring with k = 83 N/m hangs vertically next to a ruler. mark on the ruler. If a 2.5 kg mass is now attached to the enfall, where will the end of the spring line up with the ruler reposition?	nd of the spring and the mass is allowed to
4. A 1200 kg car moving on a horizontal surface has speed vacciled spring and is brought to rest in a distance of 2.2 m. V	

