5 On a ramp

An object of mass 5kg is released from rest from a height $h$ of 13 meters above the ground on a ramp. The object then slides down along a horizontal surface along a distance of $d=20$ meters and compresses a horizontal spring initially unstretched until it finally comes to rest.

a) If $k=300\text{N/m}$, by how much does the spring compress upon impact?

If there is now friction on the horizontal plane ($\mu_s = 0.6$, and $\mu_k = 0.2$) along the whole distance $d$ but not under the spring,

b) By how much does the spring compress upon impact?

If there is now friction on the horizontal plane ($\mu_s = 0.6$, and $\mu_k = 0.2$) along the whole distance $d$ and under the spring as well,

c) By how much does the spring compress upon impact?