Elastic Collisions: special cases with $v_2=0$

An object of mass $m_1$ traveling to the right with speed $v_1$ has an elastic collision with a stationary object of mass $m_2$.

1) What are the final speeds $v_1'$ and $v_2'$?

Examine the cases
a) $m_2 = m_1$
b) $m_2 \ll m_1$
c) $m_2 \gg m_1$