Radioactive Decay

Give the equation for radioactive decay of the following:

1. Alpha ($\alpha$) decay of $^{236}_{94}$Pu

2. Beta-minus ($\beta^-$) decay of $^{245}_{95}$Am

Give the starting material for the following materials produced by radioactive decay:

3. Alpha ($\alpha$) decay resulting in $^{267}_{108}$Hs

4. Beta-minus ($\beta^-$) decay resulting in $^{185}_{75}$Re

Plot and label the locations of each of the starting materials in questions #1–4 on the graph on the back of this page.