Name: _____

Directions: Answer the following questions.

1. If the half-life of zirconium-84 is 26 minutes and you start with 175 grams of the sample, how much remains after 104 minutes?

2. The half-life of plutonium-239 is 24,110 years. If you start with 100 grams of the sample, how much remains after 96,440 years?

3. The half-life of thorium-227 is 18.72 days. If you start with 100 grams of the sample and it decayed to 3.125 grams, how many days past to get that sample size?