Name: **Date:**

Problem-Based Task: Analyzing Kidney Function

Coaching

a. What is the initial amount of indium-113m?

b. At what rate does indium-113m decay?

c. What function represents the half-life of indium-113m?

d. What function represents the half-life of technetium-99m?

e. What is the initial amount of technetium-99m?

f. At what rate does technetium-99m decay?

g. Graph both functions on one coordinate plane.

h. Which function is decaying at a faster rate? Use the functions and your graph to explain your reasoning.

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