Name_____ **FORMULA**
Date_____ **PRACTICE**

1. Base your answer to the following question on the *Earth Science Reference Tables*.

   A student's measurement of the mass of a rock is 30 grams. If the accepted value for the mass of the rock is 33 grams, what is the percent deviation (percent of error) of the student's measurement?

   (1) 9%
   (2) 11%
   (3) 30%
   (4) 91%

2. Base your answer to the following question on the *Earth Science Reference Tables*.

   A student calculated the density of a mineral sample to be 2.7 grams per cubic centimeter. If the accepted value is 3.0 grams per cubic centimeter, what was the student's percent of error?

   (1) 9%
   (2) 10%
   (3) 11%
   (4) 30%

3. The data table below shows the mass and volume of four different minerals.

Mineral Sample	A	B	C	D
Mass	50 g	60 g	55 g	40 g
Volume	20 mL	15 mL	10 mL	5 mL

   Which mineral has the greatest density?

   (1) *A*
   (2) *B*
   (3) *C*
   (4) *D*

4. The temperature of water in a container was 60°C. Ten minutes later, the water temperature was 35°C. What was the rate of cooling of the water?

   (1) 25 C°/min
   (2) 2.5 C°/min
   (3) 35 C°/min
   (4) 3.5 C°/min