Name _____   Date _____

Conditional Probability - Step-by-Step Lesson

An economics teacher teaches two classes of economics. 27% of students attend both classes of economics. 39% of students attend the first class of economics.

What is the probability that a student that attends the first class also attend the second class?

Explanation:

This problem describes a conditional probability since it asks us to find the probability that the second class was attended given that the first class was attended.

Conditional probabilities can be calculated using this formula:

$$P(\text{Second/First}) = \frac{P(\text{First and Second})}{P(\text{First})} = \frac{0.27}{0.39} = 0.69 = 69.23$$