

Name: _____
Date: _____

Unit 4 Quiz

An elementary school class asked their students what their favorite exotic pets would be. Results are shown in the table below:

	Lizard	Bird	Snake	<i>Total</i>
Boy	10	5	4	19
Girl	3	12	0	15
<i>Total</i>	13	17	4	34

Answer the following questions. **Show your work!**

- a) What is the probability the student is a Boy?
- b) What is the probability the student is a Girl AND prefers Lizards?
- c) What is the probability the student is a Girl OR prefers Lizards?
- d) Are any Events mutually exclusive? If yes, **list** one set of events AND **explain** how we know they are mutually exclusive. If no, **explain** why there are none.
- e) Given that a student's favorite pet is a Bird, what is the probability the student is a Girl?
- f) The teacher needs to select two students to represent the class at the next science fair. What is the probability both students are Boys?