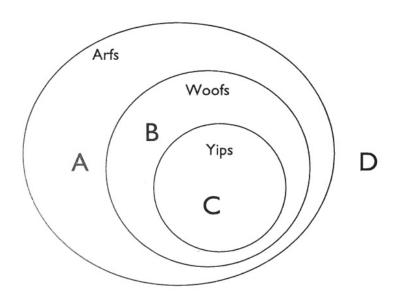
## More Classification and Real Numbers Practice

## **Directions:**

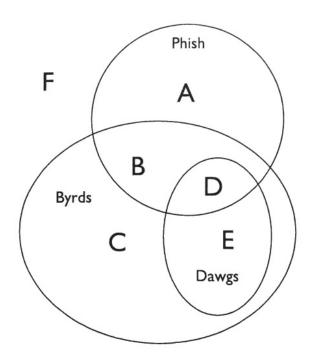
Say if each statement is true or false. Then, indicate which part(s) of the Venn Diagram supports your answer.

## Venn Diagram #1:

- I) If you're a Woof, you're an Arf.
- 2) All Arfs are Woofs.
- 3) If you're not an Arf, you're not a Yip.
- 4) Some Woofs are Yips.
- 5) If you're not a Woof, you must be an Arf.
- 6) All Yips are Arfs.
- 7) If you're an Arf, you're a Yip.
- 8) If you're not a Yip, you might be a Woof.



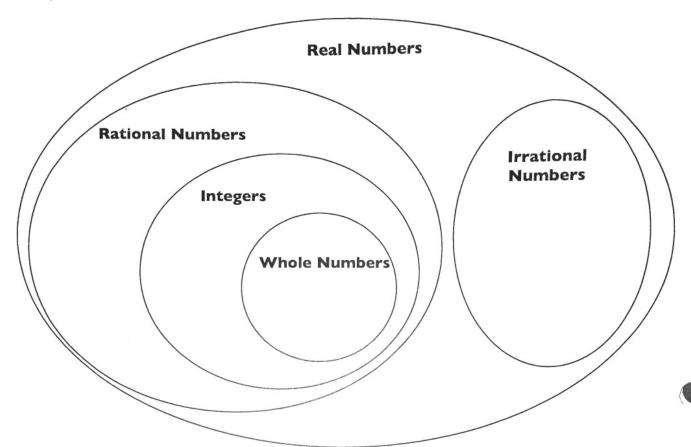
## Venn Diagram #2:



- 9) Some Dawgs are Phish.
- 10) All Byrds are Dawgs.
- 11) All Dawgs are Byrds.
- 12) If you're not a Phish, you must be a Byrd.
- 13) No Phish are Byrds.
- 14) All Dawgs are Phish.
- 15) If you are both Phish and Byrd, you must be a Dawg too.
- Some Dawgs are not Byrds.

17) Write each number in the correct location on the Venn Diagram of the real number system. Each number should be written only once.

$$\left(3, 2.09824..., \sqrt{25}, \sqrt{24}, \frac{2}{5}, -100, -7, \pi, -\frac{2}{5}, 6.5, -3.01, 3\frac{2}{7}\right)$$



18) List the numbers in the set  $\left(-17, 0, \sqrt{3}, -\frac{1}{6}, \frac{5}{7}, 7.99, 8, \pi, 0.03986..., 0.\overline{53}\right)$  that are:

Integers

Rational numbers

Irrational numbers

Real numbers

- 19) True or false? If false, explain why.
  - a. Some irrational numbers are integers.

- b. All rational numbers are whole numbers.
- c. If a number is **not** an **integer**, then it is **not** a **whole number**.
- d. If a number is not an integer, then it is not a rational number.
- e. Some irrational numbers are not real numbers.
- f. No rational numbers are integers.

20) Put a check mark for each set that the number is a part of

		Whole . Numbers	Întegers	Rational Numbers	Irrational Numbers	n Real Numbers
	2.07	A A LABORATOR AND A STATE OF THE STATE OF TH	a pagin administrative trades transfer of	th. Annual to cive have all decades		
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-	$\sqrt{7}$		X		THE MAN PERSON AND AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON A	Control of the last of the las
	7/3					

21) Write each number in fraction form.

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	$3\frac{5}{7}$	0.002	8 <del> </del> 9	0.5555