**Sets Project**

Attach this completed worksheet to the front of your project for scoring. The Venn Diagram goes next, followed by your report.

1. What do you hope to learn from your survey? Write a complete sentence about the topic. [ \_\_\_ / 2pts]

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1. Write three closed form questions (yes/no), that are closely related to the topic. You will be conducting a survey by asking these questions to at least 20 participants [ \_\_\_\_ / 3pts ]

Q1]\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q2]\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q3]\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Fill in the Interview Response Table (next page) with your results from at least 20 interviews. Label the column headers with the questions (stated above). Each interviewee’s responses go in the rows below the questions (column headers). Ask the interviewee to initial in the first column after his/her responses have been recorded. [ \_\_\_\_ / 4 pts ]
2. Create a Venn diagram of your results containing the elements. [ \_\_\_\_ / 12 pts ].

It should meet the following requirements:

* 1. Nicely drawn, using color, and easy to read [ 2 pts ]
	2. Venn diagram is drawn correctly and sets are clearly labeled [ 2 pts ]
	3. Regions’ cardinalities are correct [ 8 pts ]
1. Define your three sets below with a word description[ \_\_\_ / 3 pts]:

U = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Complete the symbolic representation and cardinalities of each region below [ \_\_\_\_ / 17pts ]:

n(U) = \_\_\_\_\_

RI: n( \_\_\_\_\_\_\_\_\_\_\_\_\_ ) = \_\_\_\_\_

RII: n( \_\_\_\_\_\_\_\_\_\_\_\_\_ ) = \_\_\_\_\_

RIII: n( \_\_\_\_\_\_\_\_\_\_\_\_\_ ) = \_\_\_\_\_

RIV: n( \_\_\_\_\_\_\_\_\_\_\_\_\_ ) = \_\_\_\_\_

RV: n( \_\_\_\_\_\_\_\_\_\_\_\_\_ ) = \_\_\_\_\_

RVI: n( \_\_\_\_\_\_\_\_\_\_\_\_\_ ) = \_\_\_\_\_

RVII: n( \_\_\_\_\_\_\_\_\_\_\_\_\_ ) = \_\_\_\_\_

RVIII: n( \_\_\_\_\_\_\_\_\_\_\_\_\_ ) = \_\_\_\_\_

1. Write an essay on the topic and results of your interviews [ \_\_\_\_ / 12 pts ]. What did you learn from your survey? It should meet the following requirements:
	1. Content: [ \_\_\_\_ / 10 pts ]

At least one paragraph for each of the following: Intro, each of 8 regions, & Conclusion. The introduction should give a description of the Universal set, region paragraphs should focus on the members of the set and what they have in common (describe why members belong to certain regions) and the conclusion should represent what you learned about your topic.

* 1. Structure: [ 2 pts, or max of -5 = \_\_\_\_\_\_ pts]

Spelling, Grammar, Punctuation, Clearly written, no rambling or unnecessary prose

Interview Response Table

|  |  |  |  |
| --- | --- | --- | --- |
| Interviewees | Q1 -  | Q2 - | Q3 -  |
| 1 |  |  |  |
| 2 |  |  |  |
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