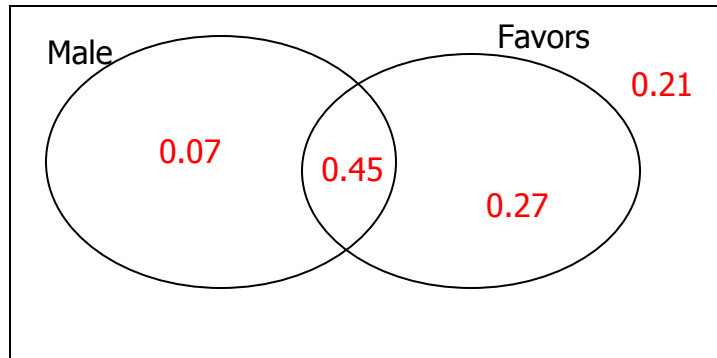


MA 110 WORKSHEET (8.2) "EXTRA WORKSHEET 5"

Name Solutions

The following probabilities have been determined from a recent survey. The probability that a person is favors the current president is 0.72. The probability that a person is male and favors the current president is 0.45. The probability that a person is female and does not favor the current president is 0.21.

A. Draw a Venn diagram that displays the survey results.



Use the diagram to determine the following:

B. a person does not favor the current president

$$0.07 + 0.21 = 0.28$$

C. a person is male or favors the current president

$$0.07 + 0.45 + 0.27 = 0.79$$

D. a person is not male or does not favor the current president

$$0.27 + 0.21 + 0.07 = 0.55$$

E. a person is male and does not favor the current president

$$0.07$$