MATH 1342

Homework 2 (Chapter 2)

Instructions: Answer all questions through the EMCF tab of casa under the assignment named "Homework 2" before the deadline.

There is no "Submit" button. Your answers will be automatically submitted once the deadline arrives.

Assignments will be graded out of 10 points.

1. Section 2.1; Problem 4

    A. 720

    B. 81

    C. 60

    D. 12

    E. 120

2. Section 2.1; Problem 18

    A. 420

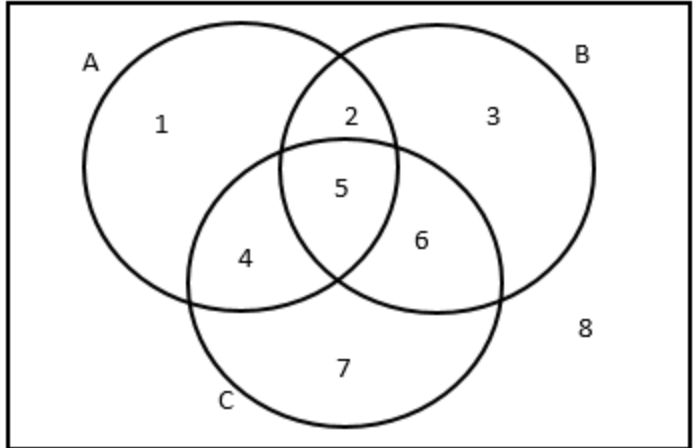   B. 192

    C. 43

    D. 1680

    E. 336

3. Section 2.2; Problem 16

    A. {1, 2, 5, 6, 9, 10}

    B. {2, 9, 10}

    C. {1, 2, 3, 5, 6, 8, 9, 10}

    D. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}

    E. {3, 7, 8}

4. Section 2.2; Problem 40

(Select which regions to shade)

    A. Shade Regions 5, 6

    B. Shade all but Regions 5, 6

    C. Shade all but Region 6

    D. Shade Region 5 only

    E. Shade all but Region 8

For Questions 5, 6, and 7, refer to Section 2.3; Problem 20:

5. How many ways can the desired selection be made?

    A. 45

    B. 45480

    C. 1120

    D. 15504

    E. 1960

6. How many total selections are possible?

    A. 100   B. 25   C. 15504   D. 3200000   E. 1500

7. What is the probability of making the desired selection?

    A. 0.7910

    B. 0.1264

    C. 0.0402

    D. 0.0029

    E. 0.0013

8. Section 2.4; Problem 16 (a)

9. Section 2.4; Problem 16 (b)

10. Section 2.4; Problem 16 (c)

Choices for Questions 8, 9, and 10:

A. 0.350

B. 0.263

C. 0.400

D. 0.656

E. 0.750