

**HOMEWORK EXERCISES**

*Assignment 62—Set Theory 2: Forte Numbers and Interval Vectors*

Section 1. For each of the six sets in the example below, determine the normal form, prime form, Forte number, and interval vector.

Set 1. Normal form: \_\_\_\_\_ Prime Form: \_\_\_\_\_ Forte number: \_\_\_\_\_

Interval vector:

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| Interval Class: | 1 | 2 | 3 | 4 | 5 | 6 |
| Occurrences:    |   |   |   |   |   |   |

Set 2. Normal form: \_\_\_\_\_ Prime Form: \_\_\_\_\_ Forte number: \_\_\_\_\_

Interval vector:

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| Interval Class: | 1 | 2 | 3 | 4 | 5 | 6 |
| Occurrences:    |   |   |   |   |   |   |

Set 3. Normal form: \_\_\_\_\_ Prime Form: \_\_\_\_\_ Forte number: \_\_\_\_\_

Interval vector:

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| Interval Class: | 1 | 2 | 3 | 4 | 5 | 6 |
| Occurrences:    |   |   |   |   |   |   |

Set 4. Normal form: \_\_\_\_\_ Prime Form: \_\_\_\_\_ Forte number: \_\_\_\_\_

Interval vector:

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| Interval Class: | 1 | 2 | 3 | 4 | 5 | 6 |
| Occurrences:    |   |   |   |   |   |   |

Set 5. Normal form: \_\_\_\_\_ Prime Form: \_\_\_\_\_ Forte number: \_\_\_\_\_

Interval vector:

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| Interval Class: | 1 | 2 | 3 | 4 | 5 | 6 |
| Occurrences:    |   |   |   |   |   |   |

Set 6. Normal form: \_\_\_\_\_ Prime Form: \_\_\_\_\_ Forte number: \_\_\_\_\_

Interval vector:

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| Interval Class: | 1 | 2 | 3 | 4 | 5 | 6 |
| Occurrences:    |   |   |   |   |   |   |