7.3 **Practice A**

1. The frequency table shows the results of a survey that asked people how many hours they spend working in the yard per month. Display the data in a histogram. Describe the shape of the distribution.

Hours in yard	0–1	2–3	4–5	6–7	8–9	10–11
Frequency	28	35	25	15	12	4

In Exercises 2 and 3, describe the shape of the distribution of the data. Explain your reasoning.

2.
Stem	Leaf
1	4 7 8
2	3 4 5 8
3	0 1 1 4 6
4	2 2 4 5
5	0 1 2

Key: 2 | 1 = 21

3.
Stem	Leaf
3	8
4	5
5	0 1 2 4
6	2 3 3 5 7 8 9
7	1 2 2 4 6 6

Key: 5 | 2 = 52

4. The table shows the last gas purchases at the pump.

Gas Purchases (dollars)						
36	75	42	17	98	93	10
24	15	27	32	23	65	27
54	71	48	43	38	26	58

   a. Display the data in a histogram using six intervals beginning with 10–24.

   b. Which measures of center and variation best represent the data? Explain.