

LESSON

Practice B

1-1 *Sets of Numbers*

Order the given numbers from least to greatest. Then classify each number by the subsets of the real numbers to which it belongs.

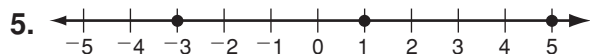
1. $\frac{2}{3}$, $6.\overline{17}$, $\sqrt{28}$, $-3\frac{1}{8}$, -4.9

2. 5π , $-6\sqrt{3}$, $\frac{-8}{3}$, $4.\overline{615}$, 0

Rewrite each set in the indicated notation.

3. negative multiples of 3; set-builder notation

4. $[-4, 0)$ or $(10, 21)$; words



roster notation



set-builder notation

The length of a necktie is generally in the range $[52, 58]$ inches. The width of a tie is in the range $[2.75, 3.5]$ inches. Use this information for Exercises 7–8.

7. Represent the range of the length of neckties in roster notation. Assume that all neckties come in whole-inch lengths.

8. Represent the range of the width of neckties in set-builder notation.
