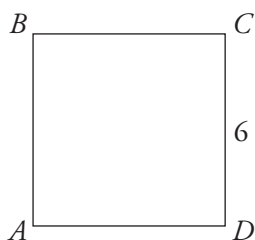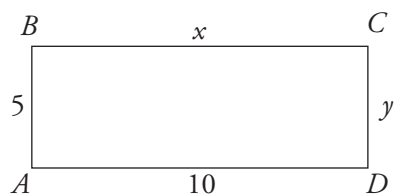# Drill 1
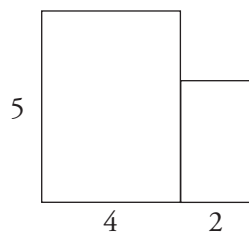
Answers can be found in Part IV.

a. What is the area of square *ABCD* above? _____

b. What is the perimeter of square *ABCD* above? _____

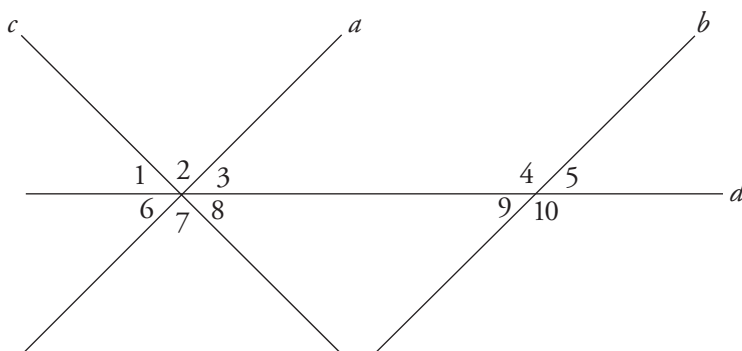c. If *ABCD* is a rectangle, $x =$ _____ $y =$ _____

d. What is the perimeter of rectangle *ABCD* above? _____

e. If the above figure is composed of two rectangles, what is the perimeter of the figure? _____
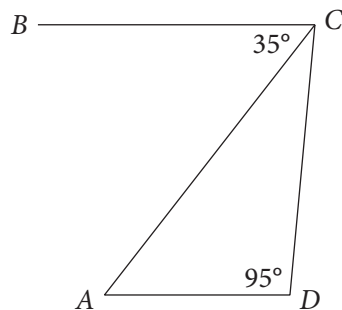
3

In the figure above, lines *a* and *b* are parallel. Which of the following pairs of angles must have equal degree measures?

    I.   1 and 5

    II.   2 and 7

    III.   3 and 9

A) I only

B) II only

C) III only

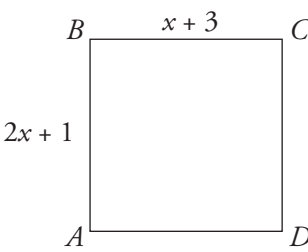D) II and III only

9

In the figure above, $\overline{BC} \parallel \overline{AD}$. What is the measure of $\angle ACD$?
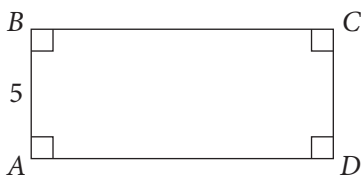
A) 35

B) 40

C) 50

D) 55

4

B —— $x + 3$ —— C

$2x + 1$

A —————— D

If *ABCD* is a square, what is the area of the square?

A)   2

B)   4

C)   20

D)   25

28

B C

5

A D

The diagonal of rectangle *ABCD* is 13 inches long. What is the area of rectangle *ABCD* ?