Geometry Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Worksheet 1.4 Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per: \_\_\_\_\_\_\_\_\_\_

Directions: If GJ = 32, find the value of each of the following.

G

H

J

3x

x + 16

1. x = \_\_\_\_\_

2. GH = \_\_\_\_\_

3. HJ = \_\_\_\_\_

Directions: Use a number line and/or what you learned about distance and absolute values to find the following.

4. Find PD if the coordinate of P is -7 and the coordinate of D is -1. PD = \_\_\_\_\_

5. Find SK if the coordinate of s is 17 and the coordinate of k is -5. SK = \_\_\_\_\_

6. Find the coordinate of B is AB = 8 and the coordinate of A is -2. B = \_\_\_\_\_

7. Find the coordinate of X if XY = 1 and the coordinate of Y = 0. X = \_\_\_\_\_

Directions: Use the diagram at the right to answer the following.

8. If AC = 62, find the value of x. Then find AB and BC.

A

B

C

3x - 4

3x - 4

X = \_\_\_\_\_, AB = \_\_\_\_\_, BC = \_\_\_\_\_

9. If AC = 206, find the value of x. Then find AB and BC.

X = \_\_\_\_\_, AB = \_\_\_\_\_, BC = \_\_\_\_\_